Crestron Toolbox Release Notes

Introduction

Thank you for installing the Crestron Toolbox. The following sections are available in the release notes:

- **NEW Changes Since Last Version**
- **NEW Known Issues**
- **Toolbox Change Log History**
- **System Requirements**

System Requirements

Supported Operating Systems

- Windows Server 2003
- Windows XP 32-bit and 64-bit with Service Pack 2 or 3 Only (XP and XP with SP1 are not supported due to .NET 3.5 requirements)
- Windows Vista 32-bit and 64-bit platforms supported when installed and run on an account with administrative privileges and XP Compatability mode turned OFF. XP Compatability mode may cause hangs, crashes, or impoper operation.
- Windows 7 32-bit and 64-bit platforms supported when installed and run on an account with administrative privileges and XP Compatability mode turned OFF. XP Compatability mode may cause hangs, crashes, or impoper operation.

Minimum required PC configuration

- Windows XP: 400MHz Pentium II w/256MB RAM
- A display setting of "256 Colors"

Recommended PC configuration

- Windows XP: 1GHz Pentium 4 w/512MB RAM
- A display setting of "High Color (16 bit)" or higher

Special Note for Windows XP Service Pack 2 Users

It has been discovered that Windows XP Service Pack 2 causes a memory leak with applications that use the Microsoft Foundation Classes (MFC). This can be seen by using Task Manager to watch the allocation of GDI objects by the application when child windows are created and destroyed. Since Crestron Toolbox uses MFC it is affected by this issue and may eventually crash after a large number of windows are opened and closed. Microsoft is aware of this problem and has issued Hotfix KB319740 to address it. For more information and to download the patch, please see: http://support.microsoft.com/kb/319740/en-us

It is not neccessary to install this patch, unless you feel you are seeing this issue as it is not likey to come to the point of crashing the application due to the limited use of these resources by Crestron Toolbox.

Changes Since Last Version

These are changes that have been made since the last numerical version unless a different version has been noted. Note that the version is consistent accross all Toolbox tools and thus all are listed here. While there may not be any explicit Tool changes, Core Toolbox changes may affect device specific support and general stability.

Toolbox 2.26.111 (05-16-2011)

- Core Toolbox
  - Bugs Fixed
    - Fixed progress monitoring after firmware loads to InfiNetEX devices.
    - System Info Ethernet pane now shows correct effective DNS servers.

- Fixed IP Table support for TPMC-8X-GA
- Fixed "Unknown device" errors when connecting to MPC-M5
- Changes to improve stability of program management aspects of 3-series (stopping, restarting, erasing, loading)
- Device Discovery Tool sorting by IP now sorts correctly.
- Fix MC3 SB system uploading to wrong program location even though NSW sets up IP Table in the correct location.
- Fix for TPMC-9/9L ethernet settings confirmation dialog cancellation.
- Fix for DNS settings not being properly applied in some cases from System Info.
- Fix in shared modules that resulted in incorrect values in many tools with certain regional settings.
- Fixed crash when pasting long text in address book dialog.
- Fixed crash when connecting to a USB device with a very long hostname (63 characters or more).
- Fixed bug related to sending multiple XPanel projects to different locations on CF on 2-series.
- Fixes for Device Configurations (DM Tool and others) which was preventing files from being saved if any errors occured (including trivial or meaningless ones)
- PUF Tool
  - Fix certain dependency processing that allowed some devices to get into a bad state (VPG-12/15)
  - Fix to improve stabilty and eliminate a case that could cause the tool to hang while updating.
- DM Tool
  - TX-300-F - DM fiber output shows no info of the DM switcher.
  - Copy Display warning bottom line missing bottom half
  - Unable to unlock EDID config after switching source type
  - TX-400-3G DMTool can't be started from 6X1 screen
  - Hide input 2 for Audio Formats on Input EDIDs - Test Report
  - RMC-150-S has no text title for output

        - Test Report does not append .xml when period used in save name
        - "No 3D Support" should not be in EDID list of DMTools
        - Supress "No Connection" string at the DM Out of TX until Toolbox have capability to detect the correct connection
        - DM-RMC-200-C looks at wrong output resolution info
        - RX1-1G USB selection is available when USB Breakaway is enabled for DM swticher
        - Info window is cut off at the screen boundary.
        - Tooltips: Info box do not remain active long enough to read the contents
        - EDID Configuration: Display EDID Make and Model in the tooltip for the output
        - "cannot edit EDID" warning is too aggressive
        - Clearly indicate HDCP/non-HDCP on all video links
        - Dialog for saving configuration does not follow the save dialog for windows.
        - TX-300 DVI input says HDMI even when DVI source is present
        - Add warning message to image adjust page of RMC-200-C
        - HDMI Deep Color Enabled selection is not being preserved for the Output cards.
    - Network Setup Wizard
        - NSW fails on a PSPHD Crestron device in SystemBuilder
        - Prodigy Connection Diagram cut off
        - Add more specific instructions for keypads
        - PMC3 (and other system types)- Instruction link for acquire dialog does not go to specific enough help topic
        - Recall previous control system address to speed up initial detection step

- New Features
    - GLPAC support to load programs and firmware via master cresnet port.
    - Allow multiple Web and Mobility projects of the same type to be loaded with automatic cleanup of old projects.
    - CLCI Mode setting via System Info and Network Tree Functions menu.
    - TPMC-9/TPMC-9L support for loading project using 16-level

    - anti-aliased fonts.
    - 3-Series authentication logon support for username and password.
    - Identify Transmitter Support for 3-Series
    - System Monitor supports 3-Series control systems
    - InfiNetEX Diagnostics tool

- New Device Support
    - CLCI-DIMUEX, CLCI-1DIMFLV2EX, CLCI-1DIMFLV2EX-24V, CLCI-1SW2EX
    - HD-SCALER
    - VPG-24
    - PT-AMFM
    - P-RFGW-EX
    - CEN-RGBHVHB12x8 - Including New Configuration Tool
    - PLX3
        - Before uploading projects to the PLX3, verify that the remote is awake and communicating with the gateway. If the PLX3 is asleep, pressing any button on the remote will wake it and reconnect it to the last gateway it used.
    - P-CBIEX

- PROCISE Tool
    - Fix for issue where some configuration changes are not reflected in the tool without restarting the tool
    - Audio Adjustments Tab - compression setting gets saved/updated after reboot
    - Fix for issue where Mixer 3 Post Monitor Level control did not work properly
    - Fixed issue where the first input compensation level change gets saved but the ones after do not
    - Speaker Adjustment Tab - delay unit ranges are now equivalent

- DVPHD Tool
    - No Tool Changes

- BPC-8 Tool
    - No Tool Changes

- DIN-DALI-2 Tool
    - No Tool Changes

- ProSound Tools
    - No Tool Changes

- Prodigy Tools
    - No Tool Changes

Known Issues

The following are items which may differ than what might be expected but are by design and are not planned to change.

- Serial HW Handshaking (RTS/CTS) is stricter than the Viewport was. If a device has RTS/CTS on and Toolbox does not, you will not be able to communicate.

The following issues are known and will be addressed in future versions.

- **NEW** Before uploading projects to the PLX3, verify that the remote is awake and communicating with the gateway. If the PLX3 is asleep, pressing any button on the remote will wake it and reconnect it to the last gateway it used.
- When naming addresses in the address book, do not start those names with "tcp", "ssl", "usb" or "rs232" as these while they will work for direct connections will not work properly if used in indirect connections.
- X Generation Processors do NOT support Touch Settable ID operations. Therefore when there are conflicting TSIDs on a cresnet network on an X Generation System, The Network Tree will show these conflicts and not allow any operations on those devices. In addition there is no way to resolve the conflict on the X Generation Processor. A work around is to address the device specifically in the address book and connect to it using the System Info Tool. Using this tool you will be able to perform all the same operations you would have through the Network Device Tree.
- Transfer dialogs restrict transfers to one at a time. Use a script or multiple instances of Toolbox for simultaneous transfers.
- Some error messages leave much to be desired.
- USB driver is Unsigned and thus may cause Windows to attempt to find a better one online or show warnings upon installation.

- While using the QM Audio Config Tool, if you have a text cosnole open to the same device over cresnet, some operations and updates may be slower than usual. To correct this, close all text consoles while using the QM Audio Config Tools.
- Regarding the "Allow 16-level fonts to load" check box on the Touch Panel Project Dialog. VTPro uses this standard project dialog so the setting WILL be in effect. The only stipulation is that VTPro can be set to auto-load the project in which case the dialog does not give the user a chance to change settings and just starts loading immediately. In this case it may be missed, or they will have to turn off the auto-send to have a chance to change the setting. The setting will be persistent in this case. So if they uncheck then turn auto-send back on, it will continue to send only the 4-level fonts. Loads through System Builder and D3Pro do NOT use this standard dialog and therefore will always attempt to load 16-level fonts if the panel supports them, regardless of the state of this check box. To specify this setting in scripting see the command ability_functions_DisplayListSetSpecialLoadBehavior. Also note that some models of touch panels have a command to disable 16-level font support wchich if done, will override any Toolbox setting and prevent the 16-level fonts from loading. See the release notes of the latest FW for your Touch Panel for details.
- Regarding DM Tool for DigitalMedia. While the DM Tool is running, if the connected device (DM Switcher) experiences a reboot for ANY reason The DM Tool will no longer show correct status updates. In this case you should close all Toolbox tools and Apps (including SIMPL Windows, System Builder, VTPro-E) and then relaunch the DM Tool.
- All Tools: if multiple instances of a tool are opened, then one is closed, all other open instances will not work correctly. If this occurs, close down all open tool instances, then open a new tool instance to have full functionality restored.

The following issues involving Toolbox have work arounds or posted fixes, and therefore will not be fixed.

- The SMW Program Tree may not show proper menu items for certain devices which cannot be programmed in SIMPL windows. This includes but is not limited to the AES. A fix for this issue has been included in SIMPL Windows 2.07.21.

The following issues involve interactions between Toolbox and some third party applications which may be installed on a computer. There are no plans on resolving these issues beyond updating or uninstalling the noted application.

- Regarding PROCISE Tools and Sonnex Tool. Computer may hang, crash, and/or be unresponsive to keyboard and mouse input while using the Parametric Equalizer in these tools. This issue is caused by NVIDIA drivers and programs that NVIDIA installs during the driver install. To resolve this, go to the NVIDIA website [www.nvidia.com] and install the latest drivers. During the install, be sure to check "Perform Clean Install", and remove (uncheck) ALL components other than the "Graphics Driver".
- Stardock WindowBlinds is an application related to customizing the user interface of windows. This application causes the Toolbox menu items to incorrectly show as disabled, and causes the action taken when an item is selected to be something other than what is expected. Like launching the System Info Tool when you try to start logging in the text console.

Toolbox currently does not support the following.

- Devices
  - Most X Generation control System Operations. Detection, and support for loading through an X Generation Processor IS supported starting with Toolbox v1.06.23.
  - MS Style Control Systems
  - ST-CP Control Systems
  - CNX-RMCLV, CNX-RMC - Direct Connections. You can change network IDs using the newtrok device tree when connected to a 2-Series processor.
  - CNXTA cards
- Specific Functionality
  - Set Transmitter ID
  - iLux with slave iLux(s) connect on local cresnet using Network Tree takes excessive CPU time. ~1 min per slave.

Toolbox Change Log History

Toolbox 2.25.069 (3-16-2011)

- Bug Fixes
  - Various fixes for Network Setup wizard related to:
    - "Upload type not supported" message seen in upload dialog.
    - Crash when launching upload dialog in SystemBuilder
    - Getting stuck at "Connecting..." to PMC3-XPs
    - Several fixes related to multiple programs on the MC3
  - Fixed crash when going from Prodigy Composer to SystemBuilder in some cases
  - Fixed timeout during firmware upgrades to newer Digital Media devices.
  - Fixed DM Tool lockup when connecting to a 6x1 switcher

Toolbox 2.25.061 (2-11-2011)

- Bug Fixes
  - Many fixes in DM Tool for various device specific issues.
    - SVideo not shown on Input page of TX-200-2G
    - RMC-200-C - DM Tool Output Setup Video Controls don't respond when video is 3D
    - TX-100 Incoming stream does not show 3D information if the source is 3D
    - No Audio Reported on RGBHV input page for Analog Audio In: TX-200-2G
    - RMC-200-C - Output User Resolutions disappear in list in DM Tool
    - Changing key count manually causes incorrect save dialog to pop up
    - DMC-CAT: In DMTool show signal info connector even if no DM device detected
    - Add displaying the TCP/IP config on all "switches"
    - Input Compensation Wording on DVI card is incorrect, says SPDIF
    - DMC-CO-HD Card - Deep Color setup issues
    - Input Settings Signal Type /Decoding Mode is missing entries for DD 5.1 and DTS 5.1
    - EDID Copy Display on output 2 not working for TX-300N-F Inputs
    - When or VGA is plugged into TX-300, must block EDID write until after cable removal
  - Fixed bug which was causing issues changing Cresnet IDs using the following method.
    - Assuming you have three cresnet devices with the same ID. Plug in the first one, use Network Device

same ID. Plug in the first one, use Network Device Tree to change it. Plug in the next device, refresh the tree, you will see both correctly. Attempting to change the second devices ID will fail.

- Fixed many bugs related to loading bootloaders to DM endpoints. Required for next Bootloader PUF.
- Adjusted file transfer timing to help with aborted file transfers to TPMC-9/9L and TPMC-3X
- Fixed bad file transfer timeouts for DM endpoint firmware loads.
- Various fixes and changes to Network Setup Wizard to aid in stability and reliable setup of devices.
- Status icons in Network Device Tree now render properly in 16-bit graphics mode.
- Fixed bug in Network Analyzer which would give false negatives for a TX line initially floating.
- Fixed bug seen when loading directly from VTPro-E, the dialog may have gotten hung at "Initializing..."
- Fixed bug when sending a program which has no IP table entries, any existing entries on the control system would be left.
- Changed behavior of USB connections. Previously once a device was found, Toolbox would latch on to that device, only allowing a different device to connect using that address if all tools using it were closed. i.e. now you can have System Info open to "usb" working with one device, unplug it, plug in another USB device, and Refresh without issue.

- Enhancements
  - Significant changes to improve general stability and memory consumption. Fewer hangs and Switch-To/Retry popups.
  - In the PUF tool when a load is not performed due to failed dependent loads, show different status. Was showing general Failure.
  - Toolbox now checks some specific network behavior regarding name resolution and adjusts which resolution protocol is used first, network DNS or Crestron Discovery.

- New Device Support
  - Direct iPhone and iPad project loads (requires updated app)
  - VPG-24 support

Toolbox 1.24.046 (12-07-2010) - NOT Released

- Bug Fixes

    - Fixed error detection during project loads on some TPMC panels
    - Fixed bug loading firmware to PTX3 and TPMC-3X.
    - Minor changes to the USB driver. This may trigger a one-time, once-per-port 'Found New Hardware' message.
    - Fixes to Upload dialog erroneous messages (Program Tree and System Builder / D3Pro)
    - Fixed issue with wrong failure message to be shown when attempting to load a non-existent program.
    - Fixed issue with System Builder reporting a false StopProgram failed.
    - Fixed many issues with TPMC-9L including Ethernet settings, setup and calibrate mode, and progress monitoring during reboot cycles.
    - Fixed issues with SWAMP and NSW interactions.
    - Fixed issues with Device Upload in system Builder and D3Pro.

- Enhancements
    - Updates to the Digital Media Test Report

- New Device Support
    - SWAMP-E - Simultaneous loads to multiple extenders now supported.
    - MC3, PMC3, PMC3-XP
    - VMK-WIN
    - BPC-8 and BPC-HPLIR, including new onCue BPC-8 Tool for configuration and Device Learner for learning IR

Toolbox 1.23.058 (11-23-10)

- Bug Fixes
    - Added Warning messages in A/V Config Tools before possible hang due to software conflict.
    - Fixed escape sequence parsing in some script commands. \x02 for example did not result in the proper output
    - Fixed ethernet setting support for TPMC-8L.
    - Fixed count of devices reported in the Network Device tree
    - Corrected uninstall application
    - Added downgrade warning for IM-RX.
    - Fixed bug in Network tree where clearing an InfiNet(ex) id would cause it to fail further operations until refreshed.
    - Fixed some timeouts when loading firmware to DM-TX-300.
    - Fixed some TPMC-4SM support for ethernet settings
    - Fixed intermittent crash when exiting Procise tool
    - Fixed selecting outputs for EDID groups not working

properly for TX-300N-F
    - Fixed general race condition which could cause some Audio/Video Tools and the Upload dialog to miss feedback from the device.
    - Fixed IP Table support for devices when a Device ID was specified.

- Enhancements
    - System Info panes reordered with some default collapsed states to allow for faster load times. Especially for AMS-AIP.
    - Updates to the Digital Media Test Report

- New Device Support
    - SWAMP and SWAMP-E including the Sonnex Tool for configuration
    - DM-RMC-150-S, DM-RMC-200-C

Toolbox 1.22.109 (10-20-10)

- Bug Fixes
    - DM Tool - Added support for automatic EDID confirguration for several HDMI Sources.
    - Program Tree
        - Identify option has been re-instated.
        - Fixed erroneous error messages remaining in System Builder Upload dialog.
        - Fixed pot`ential crash if selecting an item with no address set.
    - Fixed timeout in DM-TX-300 devices during Firmware load.
    - Fixed problem loading touch panel projects compiled with very old versions of VTPro-E
    - Added support for VPG-12 / VPG-15 PUF loading.

- New Device Support
    - Added support for changing Cresnet ID for TPMC-9/9L

Toolbox 1.22.062 (9-16-10)

- Bug Fixes
    - Fixed the Device Discovery Tool to ensure all discovered devices are shown
    - Fixed TPMC-10 not properly detecting failures, and continuing without indication of a problem.
    - Fixed issue related to how ethernet devices were shown in the network device tree when there were multiple CIP connections on a single IP ID.

- Fixed bug with TPMC-3X which caused project loads to report a failure.
- Fixes for VPG-12/VPG-15 firmware loads.
- Fixed improper rounding for negative numbers in many A/V configuration tools.
- Fixed timeout when sending larger Web and Mobility Projects to some Adagio control systems.
- Fixed infiNetEX devices showing in the Network Device Tree Views after they stop communicating with the gateway.
- Better error checking in IP Table dialog to enforce proper entry selection.
- File Manager - Added a "Copy files from..." menu item option to address broken drag and drop functionality in Windows 7.
- System Info - Fixed initial state of expand/collapse icons.
- Program Tree - Cleaned up Device Setup dialog, like column sizes, ordering, labeling...
- DM Tool - Various usability and small technical bugs fixed.
- General fix for configuring touch panels when device IDs are involved.
- System Monitor
  - Fix for a crash when closing the tool while still connecting.
  - Fixed issue preventing this tool from working with the Pro2
- QM Audio Tool
  - Speech 1 and Speech 2 Mixer dialogs now read "Program L/R"
  - Fix for QM-AE4 feedback in Audio config tool, especially for the fourth channel.
- DM RSTP Tool
  - Fixed issue where some dialogs could fall behind Toolbox, resulting in Toolbox appearing to be unresponsive
  - Various usability improvements
- Prodigy Tool
  - Fixed issue where some dialogs could fall behind Toolbox, resulting in Toolbox appearing to be unresponsive
  - Now included in the Full Toolbox install. (Still available individually as well)
- Procise Tool
  - Fixed bug preventing Source Names from being saved.
  - Now included in the Full Toolbox install. (Still

available individually as well)
    - Added warning when downgrading IM Control System firmware due to memory mapping changes.

- New Device Support
    - DM Tool Commissioning Report
    - ATC-AUDIONET
    - Able to set ethernet settings for TPMC-9, TPMC-9L and TPMC-4SMD
    - TPMC-9L
    - TPMC-V12 and TPMC-V15
    - INET-CBDEX
    - DMC-S, DMC-SO-HD, DM-TX-201-S, DM-RMC-100-S
    - C2N-CBD-P, C2N-CBD-E, and C2N-CBF-P

Toolbox 1.21.049 (8-9-10)

- Bug Fixes
    - Fixed Project loads to TPMC-3X
    - Fixed DM Tool for HD-DA-2-QUAD
    - Fixed bugs un Ethernet configuration dialog where some settings were not always sent.
    - Fixed some flakiness in device detection using Setup Wizard or Program Tree.
    - Fixed issues to keep Toolbox and device in sync regarding feedback in Device Configuration Tools like Procise, Prodigy, DM Tool etc...
    - Fixed crash in Text Console if scroll was locked and enough data came in to trim the buffer twice.
    - Fix which should resolve many switch-to retry messages. Especially when changing address while Toolbox is trying to connect to a vacant IP address.
    - Fixed some general memory leaks and performance issues.
    - Fixed auto-baud detect for detecting 115200
    - Fixed Serial settings showing in System Info
    - Fixed issue loading multiple Web Mobility projects.
    - Fixed issue in Device Discovery tool that prevented discovered devices from being shown in subsequent refreshes.
    - Fixed crash when launching Audio Settings from the Finish View of Prodigy Composer.

- New Device Support
    - MTX-3
    - Added EDID configuration support for QM-FBCC-1, QM-WCC-1, QM-WCC-2, QM-WMC-VCC, QM-TX2-CC, and QM-

TX2-MC
    - QM-AE4
    - DM-MD8x8-RPS, DM-MD16x16-RPS, DM-MD32x32-RPS
    - TPMC-9
    - HD-DA-2
    - GLPAC-DIMFLV4, GLPAC-DIMFLV4-PM4, GLPAC-DIMFLV8, GLPAC-DIMFLV4-PM8

Toolbox 1.20.049 (6-22-10)

- Changes
    - DNS Management dialog has been redone to show (if possible) which servers are static and which are dynamic as well as an 'effective' list showing which servers are actually in use.
    - During file decompression show a progress bar.
    - USB driver is no longer installed every time.
    - Network Setup Wizard has been changed to allow USB connection to the PMC2 processor, even if the Prodigy project includes XPanel, iPhone/iPad, XPanel for MAC interfaces. It still requires an Ethernet connection to set up PTL4 and P-IDOCV, which are Ethernet devices.
    - General Performance enhancements.

- Bug Fixes
    - File Decompression performance issues have been resolved. Mostly noticeable with large Touch Panel projects, decompression could have taken excessively long.
    - Bringing up the address book or address dialog in Toolbox is now immediate after the first time. This was taking 5 seconds or so each time.
    - When closing Toolbox at the prompt asking you to save your workspace, the Cancel option did not work and closed anyway.
    - Many Various DM fixes for specific device functionality.
    - Linking the program and network trees within Toolbox is fixed.
    - Loading Web projects to subfolders on external media was not working. This has been corrected as well as the help file updated to better describe the functionality and rules.
    - Improved refresh time for Network and Program Trees. This will speed up System Builder and D3Pro refresh performance as well.
    - Fixes for Windows 7 display related issues.

- New Device Support

- New Device Support
    - ADMS - Project Loading
    - IPAD project support.
    - P-EXPEX
    - PT-AMFMXM
    - P-CBI, P-CBI-WIRED
    - DMC-RMC-100-S, DMC-DMC-100-C, DMC-S, DMC-C, DMC-CO, DM-TX-201-C
    - INET-CBDEX-P
    - PROAMP-7x250, PROAMP-7x400

Toolbox 1.19.146 (approx 5-1-10)

- Changes
    - Updates to Network Setup Wizard to support Adagio devices and general reliability.
    - Improved initial load time.
    - Reorganized Network Device Tree to move out of system Ethernet devices into their own separate tree node.

- Bug Fixes
    - Digital Media - DM Tool - Fixed a number of operational problems.
    - Fixed MT-1000 support
    - Fixes for MP-BXX System Info
    - Fixed problem loading web pages and mobility projects. Some process would report an error regarding the command "webinit"

- New Device Support
    - PTX3

Toolbox 1.19.023 (3-16-2010)

- Changes
    - Updates to Network Setup Wizard to support Adagio devices.
    - Enabled Network Setup Wizard in standalone Toolbox.

- Bug Fixes
    - PSPHD
        - Fixes to PSPHD firmware loads related to PUF Tool failures.
        - Fixed crash when saving configurations.

- Digital Media
    - DM Tool - Fixed a number of operational problems.
    - Fixes to support Digital Media firmware load

    - Fixes to a number Digital Media component firmware loads.
- Fixes to Program tree to resolve long load times on larger projects
- Fixes to Program tree to reoslve issue loading programs with '.' character(s) in the name.
- Fixes to Program tree related to disappearing cursors.
- Fixes to Network tree verification calls.
- Fixes to Toolbox to prevent icons for tools that are not actually installed (or that have been uninstalled) from appearing.

- New Device Support
    - C2N-UNI8IO

Toolbox 1.18.013 (2-22-09)

- Changes
    - Updates to Network Setup Wizard to support Adagio devices.

- Bug Fixes
    - Fixed USB driver installation issues.
    - DM Tool
        - Fixed some card detection issue.
        - Fixed missing audio ouptut level control.
    - Fixed bug reading DIP format IP Table files.
    - Fixes to Web Page management such that a single iPhone or MAC project can be loaded to external media and work properly.
    - Fixes to TPMC-3X Firmware Loads.

Toolbox 1.17.032 (1-25-09)

- Changes
    - Updates to Network Setup Wizard

- Bug Fixes
    - Fixed COM Sever crash when queries are posted to the user such as asking for a password or device type mismatch when sending a project.
    - Fixed some issues relating to closing device sessions which could potentially cause problems for other tools connected ot the same device.

- New Device Support
    - PAMP4x100

Toolbox 1.16.045 (12-31-09)

- Special Notes - Changes in Behavior

- Special Notes - Changes in Behavior
    - Workspace file format has changed slightly. This means any existing workspaces which had certain tools loaded will report that the plugin could not be found when loading them. Relaunching the tool and savingthe workspace again will resolve the issue.
    - Installations and incompatabilities - If you are coming from a Toolbox version prior to 1.16, then your old Toolbox installation has been automatically uninstalled for you. If you had Pro Sound Tools or the DVPHD tool also installed, you will need to reinstall these with the new versions available that are compatable with Toolbox 1.16. This is a one-time inconvienence neccesary to move forward with the latest development tools and thus provide the best product possible.
    - USB driver - Due to several changes that have occurred recently we were forced to implement a rather inconvenient fix in order to make things as stable as possible. The result of this is that after installing Toolbox 1.16 and each time thereafter installing 1.16 or above (until further notice) you will be asked to reinstall the USB driver. Allowing Windows to automatically select (not to search) should work, but you will see a popup warning. We are working hard to make this more convent and eliminate this step which we hope to have complete within the next few versions.

- Significant Bug fixes
    - Fix for Project File Spec for MLX-2
    - Digital Media - Many fixes. This version may require a FW update. The DM Tool will prompt you if this is the case.
    - Fixed link duplex warning
    - QM tools annoying popup dialog on startup removed
    - MP-B10 / MP-B20 IP table support fixed
    - TPCM-4X, TPMC-4XG, and TPMC-3X - Fixed Firmware Loads and connectivity over USB.
    - Fixed Crash or hang related to closing certain tools such as System Monitor and DM Tool.

- New Features
    - Web Project Management Feature - You can now manage web and mobility projects individually. See Web and Mobility Project Management dialog in System Info for new features and updated help.
    - System Monitor Tool - Fixed several crashes related to closing the tool, various program situations and time format.

- New Device Support
  - ADMS
  - TPMC-4SM Firmware Loads
  - TPMC-3X - Operating System Loads
  - PSPHD - Including Audio Configuration Tool available as a separate installer.
  - DGE-1 and VPG-12, VPG-15 - Basic Support only for VPGs
  - PAMP4x100 - Basic Support Only
  - GLXX-2DIM8

Toolbox 1.15.341 (10-28-09)

- Significant Bug fixes
  - Fixed Serial COM port setting shown in System Info for 2-Series Control Systems.
  - Normalized IP address such that 192.168.1.1 and 192.168.001.001 would be treated as the same connection.
  - Network Device tree - In Update All XXX Firmware, allow multi-select and file assignment to all selected. Also fixed filespec filters.
  - Fixed filespec filters on Address Book import dialog.
  - Fixed some problems when devices reboot or after loading Firmware where the TSID may not be reported. This would be flagged as an error and the tool would have to be close to recover.
  - Many updates and fixes for the Digital Media Tool (DM Tool)

- New Features
  - System Monitor tool - Task Manager like tool for 2-Series Control Systems
  - New USB driver with support for 64-bit Operating Systems including XP and Vista.
  - PUF Tool will now support some simultaneous firmware loads via Ethernet for DM Systems
  - Context Dialogs (Program, Firmware, Projects...) now change from "Send" to "Send Again" to indicate the project has been sent once. Reset on change of filename or dialog dismissal.
  - Implemented RGB Passthrough option on the MPS-100, MPS-200, MPS-250 and MPS-300

- New Device Support
  - CEN-RGBHV32x32 - Configuration via Media Tools. Master and Slave mode setting via System Info Functions menu.
  - TPMC-3X Operating System Update
  - DM-TX-300N and DM-TX-300N-F

    - DM-TX-300N and DM-TX-300N-F
    - DM-TX-1G, DM-RX-1G
    - DMC-CAT, DMC-CAT-DSP
    - HD-DA-2QUAD
    - DIN-1DIM4, DIN-8SW8-I
    - MPC-M5

- Other Changes
    - Microsoft .NET library dependencies.
        - .NET 2.0 libraries removed from installer.
        - .NET 3.5 Bootstrap application added which will download on demand what is needed.
            - Standalone install posted on Crestron Website for offline installations.

Toolbox 1.15.143 (8-14-09)

- Significant Bug fixes
    - Many stability and reliability fixes to the Network and Program Trees.
    - IP Table Support completely reworked. All status fields now shown. Support for Touch Panel Peer type entries.
    - PUF tool enhancements related to Digital Media.
    - DM Tool
        - New Video Diagnostics tab for DMC-VID and DMC-DVI cards.
        - Performance optimizations.
        - Many usability enhancements including updated Help file.
    - New Excel example with VBA code showing how to run any console command on a list sof devices and show the respons ein the spreadsheet.
    - Reworked Network Analyzer analysis algortihms to properly analyze devices with low voltage tranceivers like the MP Button Panels.

- New Features
    - Automatic Hostname resolution using Crestron proprietary protocol allows resolution in all DNS and non-DNS environments of Crestron equipment.

- New Device Support
    - DM-MD6x1, DMC-F, DMC-F-DSP, DMC-FO, DM-RMC-100-F, DM-TX-100
    - TPMC-3X and TPMC-4XG - Ethernet settings (read only)
    - PMC2 and Prodigy Line

Toolbox 1.15.071 (7-6-09)

- Significant Bug fixes
  - Many stability and reliability fixes to the Network and Program Trees.
  - IP Table Support completely reworked. All status fields now shown. Support for Touch Panel Peer type entries.
  - Corrected some script examples in the help, added reference docs for SNMP support, added Excel example for running console commands on a list of devices.
  - DM Tool
    - New KSV management tab.
    - Performance optimizations.
  - Reliability fixes mainly for DM Firmware loads but may help in other areas as well for indirect connections (like cresnet)
  - Made infiNet device detection faster in Network Tree.
  - Fixes to help keep DM Tool and other A/V config tools properly in sync with the device through disconnects and reboots.
  - Enabled SNMP support accross all current control systems.

- New Device Support
  - DM-MD16x16, DM-TX-100, DM-TX-200, DMCI
  - HD-MD8x1, HD-MD8x2
  - GLS-SIM
  - TPMC-3X

Toolbox 1.14.062 (5-28-09)

- Significant Bug fixes
  - Automatically adjust SIMPL+ memory limits when needed and support on Adagio Control systems.
    - This affects AES, AMS, AMS-AIP, AADS, and AADS-XM
  - Many small incremental fixes for System Builder. Including many improved and mre detailed status and error messages
  - Fixed bug with the MPC-M50 which cause a popup error notification during Network Tree usage or SIMPL Windows autofill.
- New Device Support
  - QM-RX1-2G - Full support including Audio Config Tool (No Help, will be in next release)

Toolbox 1.14.054 (4-20-09)

- New Features

- New Features
    - Device Discovery Tool now shows Crestron Ethernet devices with System Info Pane.
- Significant Bug fixes -Fixed bug where Functions Menu on Network device tree was not appearing on the right click menu of many devices.
    - DM Tool
        - Improved progress reporting during load.
        - Fixed display internationalization issues.
    - Added popup notifications for several situations where settings on touch panels may be lost during FW downgrade
    - IPAC - Added deletion for old display projects (.bin and .hex) when uploading a new one (Send).
    - Fixed server crash which could occur on large systems with duplicate IDs.
    - Program Load - Addded a check to ensure sufficient SPLUS memory is available. Will warn if not.
    - iPhone interface
        - Fix for web page loads (including iPhone projects) where sibling folders may be sent as well causing a prompt stating the project will not fit.
        - Fix where sending Xpanel would erase an iPhoneProject and vice versa.
    - Added Help button to every 'Functions' menu dialog.
    - Fixed several bugs related to false negatives when loading 2-series firmware. Mainly to be more lenient on dropped connections after the file was sent and increased timeouts.
- New Device Support
    - MP-BXX - Full Support.
    - CEN-NVS-100 - Basic support for tree controls.
    - GLS-SIM - Basic Support
    - DM-MD16x16, DMC-FO, DMC-VID-BNC, DMC-DVI - Full Support including DM Tool
    - DM-TX-100, DM-TX-200, DM-TX-300 - Basic Support only
    - MPC-M50 - Full Support
    - HD-MD8x1, HD-MD8x2 - Full Support including DM Tool

Toolbox 1.13.325 (2-25-09)

- Significant Bug fixes
    - Some usability fixes in the new Network and Device Trees

- When loading a program, the query for loading the default IP Table now has a 'Cancel' option.
- File Manager will now compact the file system when sending a file if needed. Will also show error if the file will not fit.
- Fixed erroneous 'Insufficient Flash Memory" error from SystemBuilder during System Upload.

- New Device Support
  - SW-MOB-AI - Crestron Control App for iPhone(tm)
  - DM-MD8x8, DM-RMC-100, DM-DR, DMC-CATO, DMC-CATO-HD, DMC-VID-RCA-A, DMC-VID-RCA-D, DMC-HD, DMC-HD-DSP, DMC-VID4
    - This support includes the NEW DM Configuration Tool which connects to the DM-MD8x8 for full system configuration
  - CNPIBG2-48
    - Additional Support in the Package Update Tool For the CUZ 4.001 deployment.

Toolbox 1.13.223 (1-21-09)

- Changes to note
  - In the address book dialog, the 'meshnet' indirect type has been replaced by the 'infiNET(EX)' type.
  - Web Pages dialog is now titled "Web Pages and Mobility Projects..."
  - Network and Program Tree controls have been rewritten. When installed they will remove the old device trees from the toolbar. They will be available from the Tools menu, but will no longer be supported. The new trees will be required for some new device support such as the MLX-2.

- Significant Bug fixes
  - Workspace Management fixes for Toolbox.exe. Prompt to close windows when loading a new workspace and fixed issue when loading workspaces from the File Menu MRU list.
  - Added a hard project limit warning for TPMC series touchpanels.
  - Fixed intemittent problem of infiNET dimmers not showing up in the network tree.
  - Removed TSID errors in the Network tree for slotted devices.
  - CNWMBG2-34 was showing in network tree as NULL device.
  - File Manager now checks for available space and automatically compacts if needed.

- Some stability fixes to address stalls and failures when reconnecting to devices.

- New Device Support
  - CEN-ISERVER
  - IPAC
  - QM-RX1-2G, QM-TX2-MC/CC
  - TPS-17G-QM
  - MLX-2 and CEN-RFGW-EX
    - New Display Project Assignment allowing load and assignment of multiple projects before MLX-2 remotes are acquired.

Toolbox 1.12.133 (7-30-08)

- New Features
  - SIMPL Debugger
    - Added goto next/prev time stamp in trace with +/- key shortcuts.
    - Added analog time format.
    - Added Signal Format to context menu.

- Significant Bug fixes
  - Added better protection in cresnet Slave dialog against invalid cresnet IDs.
  - Fixed pop up window in text console when shift is pressed. Only shows when shift is help and the mouse is moved.
  - Fixed IP table error on the TPMC-4XG when the IP Table is empty.
  - Fixed saving of expanded states of System Info sections.
  - Improved detection reliability, especially for heaviliy loaded systems.
  - Improved performance of ethernet communications. Should reduce stalls, and greatly improve text console and SIMPL Debugger performance and reliability.
  - Fixed TSID errors reported for CEN-TRACK tuner cards and some AMS / AMS-AIP internal cards.
  - SIMPL Debugger
    - Fixed Items to Trace on context menu.
    - Fixed filtering of SIMPL+ trace messages from being traced as console data as well.
  - Fixed bug with auto-negotiation setting on QM-RMC(RX) devices.
  - Fixed bug with Compact File System on some Touch panels (TPS-6L)
  - Fixed several possible crashes of the server

- Fixed SSL certificate management.
- Fixed save files from System Info on some devices like the AMS, AMS-AIP, and AES.
- Fixed TPMC-8X docking station issues. Whas giving erorr on ethernet dialog when not docked.
- Fixed crash in CEN-TIA Menu Builder when adding audio files.

- New Device Support
  - Added Support for TPS-6X and CEN-HPRFGW.
  - Added support for reporting TPMC-8X dock ethernet settings.
  - Added support for the TPMC-4XG.
  - Added support for legacy CLI-DxxxN and CNWMBG-10
  - Added support for MPC Control System line
  - Added support for the DIN Rail lighting line including DIN-AP2 processor.

Toolbox 1.12.027 (5-27-08)

- New Features
  - None

- Significant Bug fixes
  - Fixed Timing issues with AMS-AIP
  - Fixed some stability issues with device detection and added rejection and retry mechanisms
  - Fixed communications issue with the TPMC-4XG over USB
  - Fixed Touch Settable setup with the TPS-6L

- New Device Support
  - None

Toolbox 1.11.011 (5-16-08)

- New Features
  - None

- Significant Bug fixes
  - Fixed problem with some devices staying in passto mode after running the System Info tool.
  - Several fixes to support Roomview and the CEN-UPS.

- New Device Support
  - TPMC-4XG

Toolbox 1.11.008 (4-24-08)

- New Features
  - None

- Significant Bug fixes
  - When connecting to an indirect cresnet device using System Info, updates were very slow.
  - Several fixes to support Roomview.
  - Fixed some missing dependencies which would cause installation issues on some new PCs.
  - Fix for SIMPL Debugger where reloading a changed program, all signals began tracing, not just what was before.

- New Device Support
  - None

Toolbox 1.10.024 (4-09-08)

- New Features
  - System Info now shows sub-devices as separate sections in the main display, e.g. AMS-AIP OSD projects
  - In Program Info areas, show the program version for SIMPL programs if available. (Parsed from filename currently)
  - Text Console - Added menu selection "Transmit Arrow Characters" which will TX character codes for arrow keys.

- Significant Bug fixes

- New Device Support
  - AMS-AIP
  - CEN-TRACK

Toolbox 1.09.015 (2-22-08)

- New Features
  - Help -> About dialog now shows variations of Vista as well as some new HW info (CPU, memory etc..)
  - Server Notification message dialog now has sort and copy to clipboard functionality.

- Significant Bug fixes
  - SIMPL Debugger
    - Trace time display for TRACE messages from SIMPL+
    - Fixed logging of most events when saved to file.
    - Better startup from SIMPL Windows.
    - Improved defaults to help promote use of debug

profiles that save all debugging settings.
    - Fixes for AMS-AIP include OSD transfer progress reporting and Network Device tree support
    - Fix for crash when loading large (>520KB) HEX file type projects to touch panels.
    - C2ENET-# cards now hidden from Program Tree / System bulder since they cannot be verified currently.
    - General fixes for Saving / Loading Device Configurations from the Audio Tools, most importantly for the MPS-200/300

- New Device Support
    - HTT-B10X
    - Read-only access to ethernet parameters on TPMC series panels. Must still be set via Setup pages on the panel.

Toolbox 1.08.083 (1-29-08)

- New Features
    - Added support for multiple contexts (e.g. MPS/AMS line) - Context Dialog support
    - Added Notification Messages on server popup based on data file directives
    - Added data file change monitoring and monitoring of local toolbox data path and also the new device database path given in the registry.
    - Only load APADs and C2I-ADG-FPANELs if the project is different.
    - Added Buffer Management to Text Console and optimized drawing. Also added scroll lock feature.
    - Added SIMPL+ TRACE support to SIMPL Debugger
    - New Power Management Tool for CEN-UPS
    - MPS-300 configuration added to Audio Config Tool.

- Significant Bug fixes
    - Fixed problem setting Rf settings on RFGWX gateways
    - Added DNS support for TPS-4 / 6 variants
    - Fixed issues in SIMPL debugger dealing with large amounts of data crashing the tool.
    - Fixed Live Firmware Update Dialog to work better.
    - Many TJI/RJI fixes
    - Fixed NAT configuration on 2-series control systems
    - Added workaround for Touchpanels where there are commas in the filename.

- New Device Support

- CEN-TRACK - Basic support
- AMS-AIP - Basic support, compressed loads, other optimizations
- TPMC-8X docking/undocking dialog
- HTT-B10X - check for power supply before FW load. Program tree
- AAS - try to verify, but may not be able to. Program tree
- MPS-300 with tool support
- CEN-RGBHV shows if the internal switcher is in the loader state.
- INET-CBD and INETI-CB - Basic support
- C2NI-CB - Basic support
- CEN-UPS with tool support

Toolbox 1.07.062 (10-31-07)

Modules affected:

- Devices.zinis(136)
- CmVptLib32 (1.07.062)
- Media Tools (2.0.0.2)
- QM Tools (2.0.0.1)

Bugs Fixed:

- Devices.zinis(136)
  - AMS.ini (35)
    - AMS-AIP (1) - Enabled Pro Sound Tools for AMS-AIP.
- CmVptLib32 (1.07.062)
  - Fixes to realtime serial join updates.
- Media Tools (2.0.0.2)
  - Fixes for realtime event updates broken in 1.07.015.
  - Fix for parametric EQ graph.
- QM Tools (2.0.0.1)
  - Fixes for realtime event updates broken in 1.07.015.
- Install
  - Added New driver for MT-1000 Vista support.

Toolbox 1.07.015 (10-26-07)

Modules affected:

- Devices.zinis(135)

- VptAddressBook.dll (2.0.0.3)
- CmVptLib32 (1.07.014)

Bugs Fixed:

- Devices.zinis(135)
  - AMS.ini (34)
    - C2I-AMS-AIP-OSD (3) - Increased timeouts, TimeoutFastQuery=5000, TimeoutSlowQuery=20000
  - Keypads_CameoSeries (2)
    - C2N-CB-TS (2) - Fixed Bargraph timeout join value conversion type.
  - CEN-UPS (4)
    - CEN-UPS,CEN-UPS1250 (3) - Added system clock support.
- VptAddressBook.dll (2.0.0.3)
  - (Bug 16591) - Fixed bug "invalid direct communications" msg when using address book iconon Toolbox.exe footer.
  - (Bug 16630) - Fixed bug where you would be unable to change an ethernet address using the pencil icon.
- CmVptLib32 (1.07.015)
  - Many fixes and additional checks for TJI support.
  - Added final reboot of CEN-RGBHV after FW load where internal firmware had changed.
  - Added a force re-detect of control system support after firmware load.
- Documentation
  - Added "Examples and Tools" folder currently with two Excel/VB examples.
    - One sheet which loads a list of programs to a list of addresses from the spread sheet and shows status as it works. Loads are done simultaneously if possible.
    - The other generates a Toolbox ADR file give a list of IP addresses.
  - Added script example page in HTML reference docs with three basic examples showing some common script operations including deferring reboots, and loading via cresnet.

Toolbox 1.07.05 (10-22-07)

Modules affected:

- Devices.zinis(134)

- Devices.zinis(134)
- CmVptLib32.dll (1.07.05)
- CmVptGui (2.0.0.1)
- Script Manager (2.0.0.1)
- MediaTools (2.0.0.1)
- QM-Tools (2.0.0.0)
- VptAddressBook (2.0.0.2)
- CmPeq2.dll (2.0.0.0)

Bugs Fixed:

- Devices.zinis(134)
  - MPS-200.ini (18)
    - MPS-200 (1) - Added cresnet slot override.
  - CtrlSys_PAC2MLine (2)
    - $CrtlSys_PAC2MLineFamily - Added cresnet slot override.
  - CEN-RGBHV (8)
    - $CEN-RGBHVSwitcherFamily (2) - Added direct TJI support.
  - Keypads_CameoSeries.ini (1)
    - Initial version includes C2N-CB(v1) and C2N-CB-TS(v1).

- CmVptLib32.dll (1.07.05)
  - Fixed bug detecting cresnet slot on MPS-200 and PAC2M. Some FW did not report.
  - Fixed bug for rebooting a device on a slot while in passto.
  - Added checking for existing file for FirmwareUpdate with appropriate error.
  - Fixed problem canceling which was causing a canceled XModem to take excessive CPU time.
  - Fixed timing issue with RGBHV FW. Was not waiting long enough for progress indications for internal FW.
  - Added code to ComSpecParser to parse preserved labels using secondary address fields.
  - Added code to show better messages for when TJI is not supported.
  - Added bounds checking for invalid analog incoming packets and report error accordingly.
  - Added ServerClientAtomicCheckAndSetProfileValue ability call.
  - Fixed bug when canceling transfers which sometimes would not get cleaned up properly and lead to further failures on subsequent operations.

- CmVptGui (2.0.0.1)

    - Fixed crash on new installs for Firmware Dialog. Lack of file history caused this.

- Script Manager (2.0.0.1)
    - Added stripping of pipes from constant values when used.
    - Added a check and message box when loading a script if any constant is defined a value that included a pipe.

- MediaTools (2.0.0.1)
    - Display Horz freq in kHz
    - Added check for proper device support, show error accordingly.

- QM-Tools (2.0.0.0)
    - Fixed Parametric EQ crash upon opening dialog
    - Added check for proper device support, show error accordingly.

- VptAddressBook (2.0.0.2)
    - Fixed bug for recursive address entries. If found, the recursive portion is removed leaving an address which is probably invalid but prevents a crash.
    - Preserve 'Through' selection from address book.
    - Seed proper values for passthru params and make sure the popup shows them correctly when initialized.
    - Hide the passthru settings dialog when appropriate.

- CmPeq.dll (2.0.0.0)
    - Fixed crash in release builds.

Toolbox 1.07.04.002 (10-03-07)

Modules affected:

- CmVptLib32.dll (1.07.04)
- SmwTreeControl (6.0.0.2)

Bugs Fixed:

- CmVptLib32.dll (1.07.04)
    - Fixed bug in sending projects to panels related to fix for get max file transfer size.
    - Added method for TPS Protected projects (specifically for the AMS-AIP video board OSD projects)

- SmwTreeControl (6.0.0.2)
    - Fixed bug uploading XPanel projects via System Builder.

Same dispatch problem as before

Toolbox 1.07.03 (10-03-07)

Modules affected:

- Devices.zinis (133)
- SC_Lib.dll (2.0.0.0)
- VptComServer.exe (1.07.03.002)
- CmVptLib32.dll (1.07.03.002)
- CmVptGui.dll (2.0.0.0)
- CmVptCom.dll (2.0.0.0)
- VptAddressBook.dll (2.0.0.1)
- Toolbox.exe (2.0.0.0)
- SMWProgramTree (6.0.0.1)
- System Info (3.0.0.0)
- Scripter (2.0.0.0)
- Text console (3.0.0.0)
- TIA Menu Builder (2.0.0.0)

Bugs Fixed:

- Devices.zinis (133)
  - TouchPanels_TPSB.ini (2)
    - Increased reboot timeout for al TPSB panels to 45s, from 30s.
  - MPS-100.ini (8)
    - MPS-100 (1)
      - Set min FW version to 3.157.0289 for correct support.

- SC_Lib.dll (2.0.0.0)
  - Fixed bug where using passto via a serial auto-detect connection to a processor not running at 115200 would not get out of passto correctly.

- VptComServer.exe (1.07.03)
  - Added top level exception handling to main Activate call to prevent full crash. Adds error to the log.

- CmVptLib32.dll (1.07.03)
  - Fixed bug which led to the 16-level fonts to not be loaded.
  - Fixed range of settings for interlocked digital attribs. (DVPHD Test Patterns)
  - Added checks in ParentRequestPassTo to prevent a crash if called on a session with a direct address.
  - Fixed typo in config save progress dialog.

- Fixed updating of IP address when changing. It was not seeing the change correctly and thus not connecting to the new address. Also not posting the OnComParamChange Event for clients.
- Fixed "cards" command showing in response to EAfnRptDeviceInfo_Cards ability.
- Fixed parsing of e-control activation responses to detect other failures.

- CmVptGui.dll (2.0.0.0)
  - Fixed e-Control menu item text.
  - Error Log dialog, Added "Retrieveing error log...." text while retrieving the data.
  - Fixed Switch-to/Retry when setting IP address via Ethernet settings dialog.
  - Program NVRAM : Checking for selected file when clicking retrieve was checking wrong combo box.
  - Fixed "Allow 16-level fonts to load" text on Project dilaog.

- CmVptCom.dll (2.0.0.0)
  - Crash on right click of device from Finish View of D3Pro / System Builder.

- VptAddressBook.dll (2.0.0.1)
  - Fixed 'Through' drop down on indirect box. Was missing last item.
  - Fixed crash when opening empty address book. Added IsEmpty call to CAddressBook class.
  - Files of Type drop down had illegal entries.
  - Fixed bug where you could use the indirect ID drop down to select a passthru port > F

- Toolbox.exe (2.0.0.0)
  - Fixed bug on exit with intro mode enabled, but save on exit to not prompt, still showed the info message.

- SMWProgramTree (6.0.0.1)
  - Fixed "Error getting VTPro Dispatch" error.

- System Info (3.0.0.0)
  - Fixed bug where after setting ethernet parameters through system info, the tool would not completely refresh.
  - Fixed lingering - N/A - on memory usage in Internal and Compact Flash sections.

- Scripter (2.0.0.0)

- Fixed crash on results > 4095 byte slong.

- Text console (3.0.0.0)
  - Fixed crash for translating high characters in HEX (translated) mode.

- TIA Menu Builder (2.0.0.0)
  - Fixed typo in warning msg.

Toolbox 1.07.02 (9-13-07)

Modules affected:

- Devices.zinis
- CmVptLib32.dll (1.07.02.049)
- Toolobx.exe
- VptAddressBook.dll
- Package Update Tool
- System Info
- CmVptGUI

Bugs Fixed:

- Devices.zinis
  - Devices.ini
    - TPS-4/4L, C2N-FT-TPS-4, QM-FTCC-TPS_TPS-4 - Device Version set to 1, fixed DHCP support. Had "EthernetDHCP" typo.

- CmVptLib32.dll (1.07.02.049)
  - Fixed bug causing RMCRXs on cresnet to show as unknown in network tree.
  - Fixed bug which was sending all files every time for any TPSB family device.
  - Fixed bug so that Project menu item is available for AMS.
  - Fixed bug which would sometimes show unsupported items in the Functions menu.
  - Added code to ensure consistent output format for MAC addresses.
  - Fixed crash when retrieving ethernet settings.

- Toolobx.exe
  - Fixed crash when copying version info to clipboard.
  - Help->Crestron Toolbox Help now brings up main help page regardless of what tool is open/selected.

- VptAddressBook.dll
  - Fixed inconsistent list in IP address drop down

    - Fixed inconsistent list in IP address drop down.
    - Fixed slotted addressing > 10 decimal. Was being taken as Hex from drop down which is in decimal.

- Package Update Tool
    - Fixed Status field typos.

- System Info
    - Clear context menu on each new connection.
    - Fixed LED controls, were not drawing.

- CmVptGUI
    - Fix to allow clearing the context menu when no longer valid
    - Fixed timeouts and update crashes.

Toolbox 1.07.00

Modules affected:

- VptAddressBook.dll (1.0.1.8)
- Devices.zinis (131)
- ComServer (1.07.00)
- CmVptlib32 (1.07.00)
- CmVptGui (1.2.0.0)
- CmVptCom(1.0.0.3)
- Toolstub.exe (1.0.1.0)
- SIMPL Debugger (1.0.2.0)
- VptAddressBook.dll (1.0.1.8)

Bugs Fixed:

- Devices.zinis (131)
    - Devices.ini (87)
        - Removed QM device to place them in thier own file.
    - QM_Devices.ini (1)
        - Moved all cresnet QM devices from Devices.ini to here. Split QM-FTCC and QM-FTCC-TPS_QM-FTCC apart to set indepenent FW requirements. Also set device versions.
        - Added QM-FTMC/FTCC/FTDC device as loader for QM fliptops.
    - AMS.ini (29)
        - Changes for Pro Sound Tools
    - AMS.ini (30)
        - Changes to allow an EQ Preset to be assigned to the "Multi-Channel Stereo Input" Decoding Mode
    - VirtualDevices.ini (2)
        - Added GW-WMC with Verification Method = None and

        - Added SW-WMC with VerificationMethod=None and Version=1.
- ComServer (1.07.00)
    - Added auto purge to disk of debug logs. Polls once a minute for no session activity, when this occurs it checks the current memory allocated for logs and if greater than the limit specified (100MB currently) it dumps them to disk and frees all memory.
    - Added "Open Log folder" menu item.

- CmVptlib32 (1.07.00)
    - In FollowProgramRestart, prompt was being asked for which was disrupting the data stream. This was changed to only get it from the result cache. Also added a call to get the prompt (top populate the cache) at the start of program load.
    - Fixed Switch-To/Retry problem. Cancel mechanism was working correctly, but dynamic timeout evaluation was sometimes try to evaluate timeouts even if it was not connected. Added condition to only perform this is the com state is connected. Also default enabled state was true.
    - Fixed Dynamic Timeout evaluation to not re-evaluate timeouts while in passto or passthrough mode.
    - Added diagnostic info on reconnect and redetct after loss of ethernet connection with error 10053. Checks, error log, uptime and proguptime.
    - Fixed bug in FileSystemIsFile which would cause a failure for files with an embedded comma. A paramater was being passed as a string causing a reparse which split the filename in two.
    - Added devices section versioning so that multiple device sections will not get merged.
    - Fixed bug in FileSystemInitialize - uninitialized variable. Possibly causing the code to exit prematurely. Same bug in both 2-Series and TPS methods.
    - FileSystemInitialize for TPS method changed to handle a possible confirmation prompt. Will work either way. This is to handle the 3.XXX FW series of the legacy TPS panels.
    - Added ZipFileXXX abilities to compress, decompress, and get file lists from zip files.
    - Extended timeout for "cards -force" command to TIMEOUT_REALLY_SLOW_QUERY (15s base).
    - Extended timeout for "progcom" command to TIMEOUT_SLOW_QUERY (5s base).
    - ProductVerifyPresence for ML-500/600 was not working all the time. Extended wait time to 200ms and retures to 15 *

3. Seems it takes the remote ~5s to wake up.
    - (8/24) Fixed crash in parsing ts device response in 2Series method."
    - (8/27) When GetError is called and there are no messages, changed text to "No Error Messages Logged."
    - (8/29) CommunicationsWait now returns the data receieved while waiting. SendAndWait Also.
    - (8/31) (bug 15533) Fixed a bug in CComChannel which in calls to SendCommandWaitXXXX, if no data was available or received, it would return SUCCESS.

- CmVptGui (1.2.0.0)
    - Added a CComModule _Module to the main App object with a single Init and Term call. This removes the individual for each dialog call which was causing problems in the conversion from VC6 to VC8.

- CmVptCom(1.0.0.3)
    - (8/31) VptAbilityGUI - Fixed possible crash if a client called with a NULL ptr for any parameter.

- Toolstub.exe (1.0.1.0)
    - Fixed bug which was causing all tools to use the global address book. This was a parameter to SetApplicationSettings.

- SIMPL Debugger (1.0.2.0)
    - Fixed crash for signal names >= 128 characters.
    - Fixed crash if no SMW was present.
    - Fixed recurring prompts to reload due to changed SMW file when the SMW file does not exist.
    - Fixed several crashes when signal states for serials of ~200 characters or more would crash the debugger, incoming or outgoing.

- VptAddressBook.dll (1.0.1.8)
    - Fixed crash when loading a new address book. May have been caused by 2005 conversion.

Toolbox 1.06.24 (8-21-2007)

Modules affected:

- Devices.zinis(132)
- CmVptGui.dll (1.1.4.1)

Bugs Fixed:

- Devices.zinis (132)
    - AMS.ini (32)
        - Changes to support Pro Sound Tools - Fixes to decode mode trim channels.

- CmVptGui.dll (1.1.4.1)
    - Project Dialog - Changed text to "Allow improved anti-aliased fonts (16-Level) to load."

Toolbox 1.06.23 (8-20-2007)

Modules affected:

- CmVptLib32.dll (1.06.23)
- CmVptGui.dll (1.1.4.0)
- Devices.zinis(131)

Bugs Fixed:

- Devices.zinis (131)
    - GenericDeviceTypes.ini (2)
        - Added XGen type.
    - AMS.ini (31)
        - Changes to support Pro Sound Tools

- CmVptLib32.dll (1.06.23)
    - Added dectection verification using challenege acknowledge scheme.
    - Bypass TBINFO check if internal device profile setting set.
    - Added XGen implementations of Product, CresnetMaster, PassToMode groups.
    - CresnetMaster - Moved some report parsing and packet broadcast abilities from 2Series method to base class to allow use by XGen method as well.
    - Added a check in subnet detect code to only call secondary detect ability if the session supports it. this was done to handle the XGen correctly.
    - Added cancel detection in device class to kick all the way out when initial detection is canceled. This was generating switch-to retries.

- CmVptGui.dll (1.1.4.0)
    - Project Dialog - Added "Allow improved anti-aliased fonts (16-Level) to load." check box to prevent 16-level fonts from loading to the touch panel if desired.

Toolbox 1.06.22 (8-10-2007)

Toolbox 1.06.22 (8-10-2007)

Modules affected:

- CmVptLib32.dll (1.06.22)
- Devices.zinis(130)

Bugs Fixed:

- CmVptLib32 (1.06.22)
  - Fixed a bug which was causing a majority of the Switch-To/Retry popups.
  - Fixed a bug which when loading touch panel projects with the new anti-aliased fonts could hang or crash the server due to an uninitialized buffer.

- Devices.zinis(130)
  - AMS.ini (29)
    - Additions and fixes to support PST 1.00.25.

Toolbox 1.06.21 (7-20-2007)

Modules affected:

- QM Audio Config (1.0.3.8)

Bugs Fixed:

- QM Audio Config (1.0.3.8)
  - Fixed warning message added for MPS-200 to indicate correct versions.

Toolbox 1.06.20 (7-18-2007)

Modules affected:

- Device.zinis (130)

Bugs Fixed:

- Device.zinis (130)
  - AMS.ini (28)
    - Fixed EQ Active join info.
    - Fixed Dialog Type keys
    - Added clipping indications for Dolby adjustments.

- QM Audio Config (1.0.3.7)
  - Added a warning about possible volume oscillations.

Toolbox 1.06.19 (7-12-2007)

Modules affected:

- VptAddressBook.dll (1.0.1.9)
- QM Audio Config (1.0.3.6)
- CmVptLib32.dll (1.06.19)

Bugs Fixed:

- CmVptLib32.dll (1.06.19)
  - Fixed DNS management functionality for newer CUZ version which report static vs dynamic entries. This caused failures with existing parse format.
- QM Audio Config (1.0.3.6)
  - Fixed an intermittent issue where when loading preset, the parametric EQ graph may not have updated.
- VptAddressBook.dll (1.0.1.9)
  - This DLL was actually not included with 1.06.18 as stated.

Toolbox 1.06.18 (7-10-2007)

Modules affected:

- VptAddressBook.dll (1.0.1.9)
- Devices.zinis (129)

Bugs Fixed:

- Devices.zinis (129)
  - TPMC-8L - Fixed calibration mode error.
- VptAddressBook.dll (1.0.1.9)
  - Fixed a bug where changes to cresnet or meshent IDs were not saved in the address. Introduced in the previous version.

Toolbox 1.06.17 (7-09-2007)

Modules affected:

- CmVptLib32.dll (1.06.17)
- Text Console (2.1.1.8)
- System Info (2.0.1.8)
- VptAddressBook.dll (1.0.1.8)
- Devices.zinis(128)

Bugs Fixed:

- Devices.zinis(128)
  - Devices.ini(85)
    - Added QM-MD8x8-HB support.
  - Adagio_Devices.ini (3)
    - Removed custom DevReset support for APAD - Was "-*,9". Should be left as standard cresnet for proper follow reboot.
  - AMS.ini(27)
    - Renamed "Multi-Channel Stereo" to "Multi-Channel High Definition Audio"
  - Macros.ini (35)
    - Fixed DHCP support for TPS panels. Had incorrect group string.
  - TPS-6.ini (5)
    - Fixed DHCP support. Had incorrect group string.

- CmVptLib32.dll (1.06.17)
  - In CSession::StartAutonomousAction, added a call to ProcessMessages(0) just before the wait to allow processing of any pending messages prior to waiting.
  - For TJI, fixed rounding to the resolution specified in the data file. Was always rounding down and also could have left some floating precision artifact.
  - Fixed bug in TJI which could send multiple requests to the same device without waiting for each to complete. This violates the TJI spec which states an new request will abort the current request being procesed on the device. This was seen on the MPS-200 Save config with parametrics. This fix is to wait for all requested values before requesting more.
  - Added new tree control engine to module list in version reporting.
  - Fixed timestamp conversion in ThirdPartyAudioConfig again. removed all CTime and CTimeSpan use and use FILETIMEs and SYSTEMTIMEs only.
  - Fixed a bug where if a string activation contained an invalid ability code, the results from the previous call were actually returned.
  - Fixed SSL connections. Was stuck in a loop in reading data. Introduced a version or two ago in the fix for hanging ethernet due to a difference in the way SSL and normal TCP read calls return.
  - Fixed crash in TJI if an empty serial join came back.

- Text Console (2.1.1.8)

- Fixed issue with com parameter changes (specifically SSL) resulting in the loss of incoming data events. Handle this to call SetSessionParamater() to setup the parameters again.

- System Info (2.0.1.8)
  - Prompt to refresh all data when saving the file or emailing it.

- VptAddressBook.dll (1.0.1.8)
  - Fixed indirect slot addresses. Was mixed up between decimal and hex.

Toolbox 1.06.16 (6-25-2007)

Modules affected:

- CmVptLib32.dll (1.06.16)

Bugs Fixed:

- CmVptLib32.dll (1.06.16)
  - Fixed timeouts for EAfnDeviceConfiguration_RestoreFactoryConfig - 2Series console command method and also added task events during restore.
  - Fixed bugs in EAfnThirdPartyAudioConfig_GetConfigState to correctly return the time and also to handle the timestamp from the AMS as UTC if the MSB is set.

Toolbox 1.06.15 (6-20-2007)

Modules affected:

- VptComServer (1.06.15)
- CmVptLib32.dll (1.06.15)

Bugs Fixed:

- CmVptLib32.dll (1.06.15)
  - Increased timeout for generic file transfer get operations. Was too short(1s). Fixes DVPHD USB connections among others.

- VptComServer (1.06.15)
  - Added crashed client detection and shutdown code. If a client crashes, when events are sent to it and they fail due to specific errors, we shutdown that client and terminate them.

them.
    - Greatly optimized debug data and logging. 4x (or more) faster on load time for TJI tools.
        - Bug was fixed which was sending debug info to all clients whether they asked for it or not.
        - only convert to a BSTR to send to clients if we need to.
        - made one global string ppol for all client debug data.

Toolbox 1.06.14 (6-15-2007)

Modules affected:

- CmVptLib32 (1.06.14)
- Text Console (2.1.1.7)

Bugs Fixed:

- CmVptLib32 (1.06.14)
    - Fixed crash in recursive progress event calls triggered from inherited sessions which normally request event from thier parent. (AMS / AES front panels)
- Text Console (2.1.1.7)
    - Fixed timestamps in text files (were some amount of days off).

Toolbox 1.06.13 (6-15-2007)

Modules affected:

- CmVptLib32.dll (1.06.13)
- Devices.zinis (127)

Bugs Fixed:

- Devices.zinis (127)
    - DVPHD.ini (35)
        - Added SystemReady attribute and join info
        - Changed text posistion text from "Mid XXX" to "Center XXX" to match the other.
- CmVptLib32 (1.06.13)
    - fixed crash and bug in TJI where a really fast response may come back before we have the transaction ID mapped and cause a crash. Also protected against the crash at another point.
    - Changed the fix for hangnip ethernet communications to

- Changed the fix for hanging ethernet communications to only happen in the TCP comm class and to call OnRecieve instead of ProcessDataReady to eliminate possible recurions.

Toolbox 1.06.12 (6-14-2007)

Modules affected:

- CmVptLib32.dll (1.06.12)

Bugs Fixed:

- CmVptLib32.dll (1.06.12)
  - Fixed bug where ethernet communications could get hung due to lost(or not sent) notification from the socket layer that new data is available.

Toolbox 1.06.11 (6-12-2007)

Modules affected:

- Devices.zinis (126)
- CmVptLib32 (1.06.11)
- VptAddressBook.dll (1.0.1.7)
- SMW Tree Control (5.0.2.7)
- Network Tree Control (4.0.5.4)
- Text Console (2.1.1.6)
- ToolStub (1.0.0.6)
- Help file

Bugs Fixed:

- Devices.zinis (126)
  - DVPHD.ini (34) - Excluded ClearAnnotation attribute from being saved.

- CmVptLib32 (1.06.11)
  - USB - Increased general buffer size to 4K at low level read from the USB driver.
  - In Crestron Device recursion limiter code, now return FAILUREE as was originally intended.
  - Implemented Dynamic timeout evaluation code.
  - ThirdPartyAudioConfig timestamping, fixed bug which could add 1hr for DST which is not needed.
  - Fixed bug in Auto response parser which could cuase it to miss messages for cases where the start sequence was > 1

character.

- VptAddressBook.dll (1.0.1.7)
  - Fixed max cresnet ID to be FE. Get changed to FD in passthru set of changes.
  - Changed reference to "Passthru" mode to "Passthrough"
  - Added "(infiNet)" to "Meshnet ID" text on indirect address tab.

- SMW Tree Control (5.0.2.7)
  - Fixed memory leaks and possibly VB crash issue.

- Network Tree Control (4.0.5.4)
  - Fixed Update Firmware. No devices "CanUpdateFirmware" flag was being set.

- Text Console (2.1.1.6)
  - Fixed bug where special characters showed as '?' characters.

- ToolStub (1.0.0.6)
  - Fixed sizing issue. If initial call to GetWindowSizes had min == max, then the sizing window style was removed but never added.

- Help file
  - Added Passthrough mode info.

Toolbox 1.06.10 (6-07-2007)

Modules affected:

- CmVptLib32.dll (1.06.10)
- File Manager (1.0.0.7)
- CmVptGui.dll (1.1.3.9)

Bugs Fixed:

- Devices.zinis (125)
  - DVPHD.ini (33) Tool related fixes.

- CmVptLib32.dll (1.06.10)
  - Fixed problematic FW upgrade path version checking. Was < and needed to be <=.
  - Following the OOTBF load progress now detects the progress info about loading the front panel files and shows proper task progress.

- Fixed bug in timestamp for Third-party audio config. was missing byte 0.
- Added code to amake use of the new PROGREADY command to determine the boot state of the control system. If we think it's done, but didn't see a program restart, we verify with this command and wait longer if it is still loading. Added in AMS FW v3.158.0007 (Jun 05 2007).
- Added FolowReboot after loading a project to a device exposed on a slot.
- Added call to aid in preserving cutsom front panel projects.

- File Manager (1.0.0.7)
  - Fixed crash on startup due to change in Toolbox.exe in 1.06.09.

- CmVptGui.dll (1.1.3.9)
  - Changed Erase Program Dialog to be asynchronous to follow progress better. Disallow erase attempt when OOTBF is running. Call ProgReset if the system supports an OOTBF when the program is erased. Refresh running program info when the erase dialog is closed.
  - Set default file extension for biometric data dialog.

Toolbox 1.06.09 (5-31-2007)

Modules affected:

- Devices.zinis (124)
- CmVptlib32.dll (1.06.09)
- VptComServer.exe (1.06.09)
- Toolstub.exe (1.0.0.5)
- Toolbox.exe (1.0.2.8)
- Package Update (1.0.6.0)
- VptAddressBook (1.0.1.6)

Bugs Fixed:

- Devices.zinis (124)
  - CtrlSys_QMRMCRXLine.ini (5) - changed bottom limit of problematic upgrade info for RMCX (non-BA) back to 3.150.
  - DVPHD.ini(27)
    - Bumped minimum Toolbox version to 1.06.04 to support specialized FW load method.
  - Adagio_CtrlSys.ini (3)
    - ATC-AMFMSR - Added Sirius Tuner support for pulling Radio ID from report string.
  - CEN-RGBHV (2)

    - CEN-RGBHV (2)
        - Added all various derivatives with basic support.

    - TouchPanels_TPMC.ini (3)
        - Added TPMC-8L and corrected filespecs for other TPMC panels.
    - CtrlSys_IMLine.ini (3)
        - Added -M versions of IM-RXV# models.
        - Corrected FW file specs to include a trailing underscore (_) This is so models that have name that is a portion of another model, are not shown.

- CmVptlib32.dll (1.06.09)
    - Added EAfnThirdPartyAudioConfig_CheckDSPVersion call to get DSP version. Currently only for AMS.
    - Fixed typo in problematic firmware upgrade chec. Changed text to state "any verison higher than"
    - Added ~.LoadLogic.ini file processing to the TPSB display project load code.
    - Added SiriusReceiver ability group with ability function SiriusReceiverGetHWID implemented for crenset and slots.
    - Fixed possible crash in HexFile parsing code if there is an error loading the image.
    - For confirming firmware version post load against the ~.info.ini, allow key text to work as if the field was empty. (TPMC packs).

- VptComServer.exe (1.06.09)
    - Changed multi-byte to wide char string conversion from using the MultiByteToWideChar API to a manual conversion. The API was doing some conversion on international installations.

- Toolstub.exe (1.0.0.5)
    - Added manifest file to enable XP themes.

- Toolbox.exe (1.0.2.8)
    - Made changes so tools will know if they are running in Toolbox or not. Was implemented but broken due to when certain calls were being made. OnGetInPlaceMenu in the tool was being called before the dispatch was sent into the tool for it to call back out.

- Package Update (1.0.6.0)
    - Show "NO devices found" for action status.
    - Added execution logic type "RunningOOTBFProgramMismatch". Same as OOTBF

mismatch logic but OOTBF must also be running.

- VptAddressBook (1.0.1.6)
    - Exposed Passthru Mode on indirect tab.

Toolbox 1.06.08 (5-22-2007)

Modules affected:

- Devices.zinis (123)
- CmVptlib32.dll (1.06.08)
- VptAddressBook.dll (1.0.1.5)
- Package Update Tool (1.0.5.0)
- CmCoolCtrls.dll (1.0.0.8)

Bugs Fixed:

- Devices.zinis (123)
    - DVPHD.ini (25)
        - Added "Enable Background Graphic Link" Attribute
        - Added new resolution table for 3.000.0078 and above.
    - Devices.ini(84)
        - For CNLFDB-4 - changed ID string parsing.

- CmVptlib32.dll (1.06.08)
    - In CAbilityProduct::GetProductIdentificationString when we get a string trim whitespace and non-printables from the beginning and end.

- VptAddressBook.dll (1.0.1.5)
    - For indirect tab, populated drop down with appropriate IDs.

- Package Update (1.0.5.0)
    - If no package is loaded, and you click "select" and then cancel, the tool will crash.
    - Added Queries settable for when the user attempts to bypass the default logic.
    - Removed LinkedItem processing when validating execution logic

- CmCoolCtrls (1.0.0.8)
    - Improvements to Slider Controls - Clicking within the Slider's Channel didn't change position reliably.

Toolbox 1.06.07 (5-16-2007)

Modules affected:

- Devices.zinis (122)
- CmVptLib32.dll (1.06.07)
- Toolstub.exe (1.0.0.4)
- Package Update (1.0.4.0)

Bugs Fixed:

- Devices.zinis (122)
  - CtrlSys_QMRMCRXLine.ini (v4) - Fixed problematic version range lower boundry for RMCRX. Now reads 3.137 as the lower boundry.
  - TouchPanels_TPMC.ini (v2) - TPMC-8X - removed serial port support. It was never supported.
  - AMS.ini (v26)
    - Added PureEQActive, AudysseyEQActive, and CurrentEQPreset attributes.
    - Added "Refresh Signal Detects" atteibute for audio bd FW 1.03.15 or better.

- CmVptLib32.dll (1.06.07)
  - Corrected message for problematic FW version. Was stating to downgrade to lower boundry OR lower when it needs to be lower.
  - Fixed cresnet slot detection. Was too strict on number of chars for the cresnet slot line.
  - Changed TSID response terminator character to be rather than . If there are duplicate TSIDs all responses come back with one 04 terminator.
  - When loading FW to 2-Series processors, gather uptime, proguptime, progcom, and OOTBF progcom before loading for diagnostic purposes.

- Toolstub.exe (1.0.0.4)
  - Changed Communications->Choose Address menu item to "Settings..."
  - Fixed bug when there is a splash screen, tool would not auto connect.

- Package Update (1.0.4.0)
  - Added capability for prompting the user when certain items are going to be executed.
  - Changed "item" terminology to "task"
  - Added "SelectionDependency" capability to script.
  - Added Pre load text for detecting running program type.

- Fixed call where "ValidateSelections" was not actually working.

Toolbox 1.06.06 (5-10-2007)

Modules affected:

- Devices.zinis (121)
- VptComSever (1.06.06)
- CmVptLib32 (1.06.06)

Bugs Fixed:

- Devices.zinis (121)
  - AMS.ini (v24) - fixed joins for room mutes. were trying to use aan analog range type on a bool join.
- VptComSever (1.06.06)
  - MAde a change so the debug log root path will not be saved if it has not been changed from the default. This allows users to change the install path and the debug log folder will follow as long as they have not manually changed it.
- CmVptLib32 (1.06.06)
  - Fixed SubNetworkSlotReportDevice(s) to reject lines that do not make sense. Also made changes to correctly find reports. Was just looking for the key like "14:" but if that was found elsewhere like at the end of a device report, it would parse it as teh device report. Now it has to be at the beginning of the line along with other factors.

Toolbox 1.06.05 (5-08-2007)

Modules affected:

- Devices.zinis (120)
- ToolStub.exe (1.0.0.3)
- Package update (1.0.3.0)
- CmVptLib32.dll (1.06.05)
- CmCoolCtrls (1.0.0.6)

Bugs Fixed:

- Devices.zinis (120)
  - CtrlSys_IMLine.ini (v2) - Added IM-RXV1-M support
  - CtrlSys_MP2Line.ini (v2) - Changed upper limit of problematic upgrade versions so both lower and uppper are inclusive. Now "3.139","3.155.1143"

    - CtrlSys_PRO2Line.ini (v2) - Changed upper limit of problematic upgrade versions so both lower and uppper are inclusive. Now "3.137","3.155.1142".
    - CtrlSys_QMRMCLine.ini (v2) - Changed upper limit of problematic upgrade versions so both lower and uppper are inclusive. Now "3.141","3.155.1236"
    - CtrlSys_QMRMCRXLine.ini (v3) - Changed upper limit of problematic upgrade versions so both lower and uppper are inclusive. Now "3.125","3.155.1237" for non-BA and "3.150","3.155.1237" for BA versions.

- ToolStub.exe (1.0.0.3)
    - Added processing of /PluginCmd: command line options.

- Package update (1.0.3.0)
    - Added Dispatch call to allow loading of a package from the command line.
    - fixed some bugs with the tree sizing and saving of the last used advanced setting.
    - Re-arranged menu items and added a few to match the buttons available.
    - Added logging of the normal log to the server as void sessions.
    - Now show detected device model in the target string

- CmVptLib32.dll (1.06.05)
    - Added Windows Vista detection to the OS version report.

- CmCoolCtrls (1.0.0.6)
    - Tweaked slider grabber size.

Toolbox 1.06.04 (5-03-2007)

Modules affected:

- Devices.zinis (119)
- CmVptlib32.dll (1.06.04)
- Audio Config (1.0.3.5)

Bugs Fixed:

- Devices.zinis (119)
    - DVPHD.ini (23)
        - Specialized FW loads to method 60 to follow progress better.
        - Added new resolution table info for FW v3.000.0073+
    - Devices.ini(83)

        - Devices.ini(85)
            - Added QM-MD4X4 support.
        - AMS.ini (23)
            - Added C2I-ADG-VIDEO1 as an alternate name for C2I-AMS-VIDEO. Some older loaders report as this.

- CmVptlib32.dll (1.06.04)
    - Fixed crash on AbilitJoinMonitoring. Fix to force support in 1.06.03 broke the usual checking via the info command.
    - Added DVPHD specialization method and an implementation for the Frimware group to follow post load progress better.
    - Fixed bug in initial device detection which could cause > 60s of unneeded delay if the conneciton was made while the processor was loading the program. The ConsoleGetPrompt was triggereing recursive calls into the FollowProgramRestart when trying to build the support map. Only try to get the console pormpt when there is already a valid support map.
    - Added complete versioning to JoinInterfce and AttributedObject code when loading data from the data files. Require changes to the CVersionedProfileFile (base of CDeviceDataProfile) to get a fully resolved version.

- Audio Config (1.0.3.5)
    - Added QM-MD4X4 support.

Toolbox 1.06.03 (5-01-2007)

Modules affected:

- Devices.zinis (118)
- CmVptlib32.dll (1.06.03)
- DVPHD (1.0.0.8)
- Pro Sound Tools (1.00.04)
- Package Update (1.0.1.0)

Bugs Fixed:

- Devices.zinis (118)
    - DVPHD.ini (21) - Added keys to force TJI and RTJI support.
- Devices.zinis (117)
    - DVPHD.ini (21)
        - Moved FreezeVideo attribute to Inputs from Windows. Same join info.
    - Adagio_CtrlSys.ini (2)
        - AES - Added inherited ability support to AES control system to inherit from the front panel, and therefore

removed the AlisToSlot method of DisplayList support. This should be handled like this now.

        - C2I-ADG-FPANEL - Changed Display list support to 46 (Adagio method to support limited project info).
    - Adagio_Devices.ini (2)
        - APAD - changed display list support to 46 to give GetInfo support.
    - AMS.ini (18)
        - AMS and AMS-AIP - Added inherited ability support to AMS control system to inherit from the front panel, and therefore removed the AlisToSlot method of DisplayList support. This should be handled like this now.
        - Changed some ProgramSupportedOp tags.
    - Macros.ini (33)
        - Added JoinInterface:34 JoinMonitoring:34 to Macro2SeriesCtrlSysMinimal to support TJI and RTJI generically.
    - Devices.ini (82)
        - Added Object model to C2N-CB and ability support.

- CmVptlib32.dll (1.06.03)
    - For Adagio method, added cresnet and slot as valid com types.
    - Program for Adagio method, added ProgramOOTBGetInfo ability support
    - For ThirdPartyAudioConfig ConsoleCommand method, validate the time code first (make sure it's not 0xFFFFFFFF) and return an empty timestamp string if invalid.
    - For ThirdPartyAudioConfig ConsoleCommand method, Added a Set call to set the first flag.
    - Made new DisplayList Implementation for Adagio panels (Frontpanels and APADs) to get display lists info.
    - Implemented ProgramOOTBFGetInfo to get OOTBF program info even if it is not running.
    - Added CompileDateTime as something you can get from an SPZ file.
    - Detection of cresnet slot changed to use SHOWHW report. cresnet slot is hidden in CARDS report.
    - Added code for detecting TJI and RTJI support based in INFO command response. This is mapped as the ConsoleCommand method, NOT auto-detect since auto-detect handles cresnet, meshnet etc...
    - Fixed bug in JoinInterface Cresnet method to correctly form the slot address. Was missing 0x
    - Added additional debug and error messages to join info

    - Added additional debug and error messages to join info processing.
    - Fixed bug in Join Monitoring ability init which could cause recursion crash. Was not calling base to map abilities.
    - Added code to parse hex files for Adagio APADs and front panels. FileDisplayListGetInfo now works for those hex files.
    - Added code to allow forcing of TJI and RTJI support w/o requireing the info command.

- DVPHD (1.0.0.8)
    - Several bugs from bugzilla fixed.

- Pro Sound Tools (1.00.04)
    - Bug fixes.

- Package Update (1.0.2.0)
    - Added support for separate funcitonal and order dependencies in script.
- Package Update (1.0.1.0)
    - Initial Version for beta testing.

Toolbox 1.06.00 (4-19-2007)

Modules affected:

- ToolStub.exe (1.0.0.2)
- CmVptLib32.dll (1.06.00)

Bugs Fixed:

- ToolStub.exe (1.0.0.2)
    - Removed Exit menu item and change Address to Communiations.
    - Shows splash screen if included as a resource in the tool.
    - Implemented about dialog with TB and Tool version (with splash screen if available)
    - Moved address prompting to after splash screen goes away or after tool is loaded if no splash is available.
    - Remove Size and Maximize options on the caption bar if tool cannot be sized.

- CmVptLib32.dll (1.06.00)
    - ProgramGetInfo - When it fails, the prompt may be returned in the outputs due to an internal call. Results are now cleared after this internal call.

Toolbox 1.05.02 (4-18-2007)

Modules affected:

- Devices.zinis (116)
- CmVptlib32.dll (1.05.02)

Bugs Fixed:

- Devices.zinis (116)
  - CtrlSys_QMRMCRXLine.ini (v2)
    - changed lower limit of problematic upgrade path for QM-RMCRX modesl to 3.125 at ER's request.
  - Touchpanels_Legacy.ini (v1)
    - added, initial version.
- CmVptLib32.dll (1.05.02)
  - Fixed join monitoring code for transaction IDs above 10. Would start failing and loosing updates.

Toolbox 1.05.01 (4-12-2007)

Modules affected:

- Devices.zinis (115)
- CmVptlib32.dll (1.05.01)
- DVPHD Tool (1.0.0.6)

Bugs Fixed:

- Devices.zinis (115)
  - DVPHD.ini (20)
    - Renamed "Source" to "Input"
    - Renamed "Layout" to "Page"
    - Set DVPToolMinFWVersion=3.000.0072
- DVPHD Tool (1.0.0.6)
  - Added z-order options, "Bring to Front" and "Send to Back"
  - Renamed "Layout" to "Page"
  - Renamed "Source" to "Input"
  - Added separate DVPHD help file.
- CmVptlib32.dll (1.05.01)
  - Added code in the DevReset_FollowReboot for 2-series, to re-autobaud detect if the follow reboot fails at the current baud and the original baud rate was auto-detect.

Toolbox 1.05.00 (4-10-2007)

Modules affected:

- Devices.zinis (114)
- CmVptLib32.dll (1.05.00)
- DVPHD Tool (1.0.0.5)
- QM-Tools (1.0.3.3)

Bugs Fixed:

- Devices.zinis (114)
  - AMS.ini (v13)
    - Fixed subslots for volumes and mutes for RTJI.
  - Macros.ini (32)
    - MacroTPSBSerisTouch - Added EthernetDHCP:-*,4,5 to support DHCP properly.
    - MacroTPSSeriesTouchEthernet - EthernetDHCP:-*,59 to support the HOSTNAME command
    - MacroTPMCSeriesTouch - Changed support for setup / calibrate : SetupMode:14,16 CalibrateMode:14,16
  - TPS-6.ini (3)
    - Added EthernetDHCP:-*,4,5 support
  - Devices.ini (81)
    - Added EthernetDHCP:-*,4,5 to TPS-4L, QM-FTCC-TPS4, C2N-FT-TPS4
- CmVptLib32.dll (1.05.00)
  - Added device configuration support for inherited support abilities.
  - Added TPSCommandLimited(59) method to support Hostname only for legacy panels.
- DVPHD Tool (1.0.0.5)
  - Fixed Input Source Selection - right-click popup menu didn't work
  - Fixed Video Window Properties - some fields did not load properly
- QM-Tools (1.0.3.3)
  - Fixed bug where EQ Bands within Mic Settings Dialog failed to load
  - Fixed bug where available Presets for Mixer, Graphic and Parametric failed to display

Toolbox 1.04.24 (4-7-2007)

Modules affected:

- Devices.zinis (113)
- CmVptLib32.dll (1.04.24)
- DVPHD Tool (1.0.0.4)
- Toolbox.exe (1.0.2.7)
- ToolStub.exe (1.0.0.1)

Bugs Fixed:

- Devices.zinis (113)
  - DVPHD.ini (19)
    - (v18) Fixed Window 7, SizeY attribute write join.
    - (v19) Changed all window joins to use current, rather than the OOTB custom.
    - (v19) Added IsInSetup, ExitSetupWOReboot, and CanExitSetupWOReboot attribs.
    - (v19) Added ConvertCurrentToCustomPage attribute
  - Meshnet.ini (v2)
    - changed catagory of C2N-MNETRPT to Wireless REceiever (same as the GW).
  - AMS.ini (v12)
    - (v11) Added ThirdPartyAudioConfig support.
    - (v12) Added DeviceConfiguration:58 support to support the commit and revert calls.
    - (v12) Added Theater Volume, Theater Mute, and Selected Source attributes
    - (v12) Added Volumes and Mutes for Rooms 1-6

- CmVptLib32.dll (1.04.24)
  - Added ThirdPartyAudioConfing ability group and ThirdPartyAudioConfigGetConfigState Ability.
  - Added AMSAudio Specialization implementation of the DeviceConfiguration to suppor tthe commit / revert calls.
  - For EAmConsoleDirectRconAndPassto method, added EComIndirectType_Slot as a valid type for this method.
  - While erasing protected area for OOTBF loads, changed user task text to "preparing" > less scary.
  - Fixed "units_s" join interface. Was properly using it as a range...
  - SubnetDetectPhysicalDevices call - added more ability support flags for Analyze, Firmware, and EnterSetupMode.
  - Added StandardPulsedDigital operation template for attributed object model. Read-only, no "get" operatio supported.
  - Fixed bug with Joinmonitoring where any time ANY slot started being monitored StartPAsringResponses was called and any time ANY slot was stopped, StopParsingResponses

and any time ANY slot was stopped, StopParsingResponses was called.
    - Fixed crash when a device that was monitoring joins is reset. The UninitializeAbilities call was recursing infinitely due to a lack of transaction. Added Start/Complete Transaction calls around the UninitializeAblities call.
    - Fixed possible crash when loading malformed ~.ProgramBootData files.
    - Fixed possible crash on unparsing ParamLists which contain Empty params.

- DVPHD Tool (1.0.0.4)
    - Fixed Load Preset functionality (was setting wrong attribute).
    - Fixed Z-order issue
    - Fixed multiepl update issues when something is set to one value, but updated before the original set comes back.

- Toolbox.exe (1.0.2.7)
    - Added Toolbox_CloseTool call for tools to call.

- ToolStub.exe (1.0.0.1)
    - Added Support for the Toolbox_CloseTool call for tools to call.
    - Fixed possible crash when Help is clicked.

Toolbox 1.04.23 (3-27-2007)

Modules affected:

- Devices.zinis (112)
- CmVptLib32.dll (1.04.23)
- CmVptGui.dll (1.1.3.8)
- QM-Tools (1.0.3.2)
- MediaTools (1.0.0.6)
- DVPTool (1.0.0.2)
- SIMPL Debugger (1.0.1.1)
- Help file

Bugs Fixed:

- Devices.zinis (112)
    - Split up Main Devices.ini to many individual catagorized files with includes.
    - Macros.ini (31)
        - MacroTPSSeriesTouchEthernet - Removed DHCP support.

        - MacroTPMCSeriesTouch - Removed method 16 support for Firmware, FileSystem, GenFileXfer. (cresnet passto) This is due to flow control issues internal to the TPMCs on USB. Bug #12505
    - CtrlSys_*.ini (1)
        - Added SNMP support for v4.000+
    - Devices.ini (80)
        - Added alternate case for QM-MD16X16 for bootloaders (capital X).

- CmVptLib32.dll (1.04.23)
    - Fixed possible crash for TPSB/G DisplayListSend if no manfiest file is found in the VTZ.
    - SNMP - Fixed command format adding monitoring rules. (Needed a space between comparator and value).
    - Fixed Sending a break when shutting down USB and serial communications. Had to add an ChannelShutdown call in the base ComChannel Class.
    - Ethernet for TPSCommand method - Removed WINS support.
    - Change TPMCVersion2 method to be selected for only direct communications. Removed cresnet. This is due to flow control issues internal to the TPMCs on USB. Bug #12505
    - Fixed CmVptParameters unParsing code to NOT show cmplex data types by default with a parameter to specify to do so if desired. Old System Builders are NOT expecting to see these and will break.
    - Added support for MDBGSIGNAL command when device supports it. This will enhance the debugger and System Builder / D3Pro realtime modes.

- CmVptGui.dll (1.1.3.8)
    - SNMP
        - Added proper help IDs for SNMP and Biometric Data dialogs
        - Changed Manager address field to an IP edit control.
        - Limit the number of managers to 10.
        - Changed Test value range for rules to signed 32-bit range.
    - Biometrics - Added confirmation when retoring a data file.
    - FileSystem - Disable buttons for items that are not supported.
    - Changed VptDialog to place a transparent window over the main dialog while loading instead of disabling and then re-enabling the dialog which caused focus problems when maximized.

- SIMPL Debugger (1.0.1.1)
    - Fixed bug in which if No signals were being debugged on startup, a sync all was issued.
    - Fixed a bug with the "relative since last event" time format where some events could be reported with a timestamp of 49 days +

- QM-Tools (1.0.3.2)
- MediaTools (1.0.0.6)
- DVPTool (1.0.0.2)
    - Fixed key mapping and protection against possible lockup on certain keys.

- Help file
    - Updated to include Biometric Data and SNMP dialog help.

Toolbox 1.04.22 (3-19-2007)

Modules affected:

- Devices.zinis (v112)
- CmVptGUI (1.1.3.6)
- CmVptLib32.dll (1.04.21)
- VptComServer (1.04.21)
- System Info (2.1.0.6)
- SIMPL Debugger (1.0.1.0)
- Text Console (2.1.1.5)
- Audio Config (1.0.3.1)

Bugs Fixed:

- Devices.zinis (v112)
    - Devices.ini (v79)
        - QM-16x16 - Fixed parsing format for switchers.
        - QM-AE - Fixed Parametric preset config save. ReadPreset command format was incorrect.
        - QM-AE - Added specfic preset parse format.
        - QM-MD7x2 - Fixed Mic Mixer Preset Saving in configuration file.
        - CEN-TIA - added EtherDHCP:16 support to allow DHCP configuration over cresnet.
        - C2N-TXM - Added console support for v1.15.00 or better.
    - MPS-200.ini (v14)
        - (v14) Fixed bandwidth range for all parametric filters.

        - (v15) Fixed Speech Graphic EQ joins, both input and out were shifted by 4 due to hidden joins.

        - (v16) Fixed Speech Graphic EQ Recall Preset digital enable
        - (v17) Added Global Audio.QM Trasmit ID attribute and join
        - (v17) Fixed Master volume device range.

- CmVptGUI (1.1.3.6)
    - In general all context dialogs are now disabled (not visibly, but cannot click buttons / edit fields etc..) Also , " - Loading..." is appended to the window caption during this process.

- CmVptLib32.dll (1.04.21)
    - Implemented RTJI.
    - Implemented Information Update events for the Attributed Obj abilties using RTJI.
    - Implemented SaveConfiguration calls for AttributedObjects using TJI.
    - For setting Meshnet IDs, if the device is a sleeping one, wake it up first to make confirmation reliable.
    - Make sure Results are presevred if a deferred reboot occurs.
    - Fixed bug in VerifyParameters where insufficient parameters in a repeated sequence could hang in an infinite loop.
    - FileSystem for USBActiveSyncConsole method - changed base to TPMC10 method from 2-series.
    - FileSystem for TPMC-10 method - removed compact and initialize abiliity support.
    - ParametricEQs for QM Devices - Fixed bug in which filter 12 (2 from the GUI) was not being saved in the device's configuration file.
    - General QM Audio structure - Added an optional preset parse format string which can be used, right now only Parametrics make use of it if available. Also added "devid2dig", and "band2dig" constants.
    - Fixed bug in join monitoring for single subslotted devices (was issueing "joinmonitorslot #." and the dot should not be there.
    - ProgramGetInfo - Now we try to detect the prompt of the device, and look for that for response completion. This fixes the probolem when a user enters a ">" as part of the System Name or something.
    - Fixed VptParser for enumerated parsing so it will match the longest enum value, not just the first it sees. (QM-MD16x16

issue)
    - Added "units_s" for Join interface and EVptRangeType_Seconds to idl file.
    - AttributedObj Op Templates - Added InterlockedDigitalEnum and InterlockedPulsedDigitalEnum
    - JoinInterface - AnalogRangeWithEnable operation template now forces the digital back to the inactive state, low, high, low or high, low, high based on enable type. Features
    - Added EthernetCIPEnable command and support for TPS / TPSB series panels.
    - Added ActivationControlBatch call to allow multiple calls to be processed as an atomic operation.
    - Added CustomClientFiles ability group to allow custom files to be included in a device's configuration. Configurations are now zip files and can include multiple files.
    - Added abilities AttributedObjGetAttribDeviceValue, and AttributedObjGetAttribVauleFromDeviceValue
    - For Serial and USB connections, when shutting down and we are still connected, issue a break for good measure.

- VptComServer (1.04.21)
    - Optimized debug string recording to use a memory pool object rather than allocating multiple std::string objects.

- System Info (2.1.0.6)
    - Added CIPEnable status to the Ethernet section and show / hide based on device support.
    - Added architecture to check for ability support within each group to taylor GUI.
    - Now show " - N/A -" under Internal Memory usage if something is not supported.

- SIMPL Debugger (1.0.1.0)
    - Fixed bug in parsing incoming text in which we could hit an infinite loop. If an 01 came in a packet with the 03, we would get stuck.

- Text Console (2.1.1.5)
    - Fixed Sequence Key setup dialog caption (was "Shortcut Setup").

- Audio Config (1.0.3.1)
    - Added QM-16x16 Support
    - Added MPS-200 Support

Toolbox 1.04.21 (3-8-2007)

Modules affected:

- CmVptLib32.dll (1.04.21)
- TIAMenuBuilder.ocx (1.0.1.7)

Bugs Fixed:

- CmVptLib32.dll (1.04.21)
  - For DisplayListGetInfo for TPSB series, make sure we are in "\DISPLAY" before issueing the projinfo command. Was reporting "No project loaded" if the current directory was not correct.
- TIA Menu Builder (1.0.1.7)
  - Fixed crash when loading / and reloading projects.

Toolbox 1.04.20 (2-23-2007)

Modules affected:

- CmVptLib32.dll (1.04.20)
- CmVptGui.DLL (1.1.3.7)

Bugs Fixed:

- CmVptLib32.dll (1.04.20)
  - Reworked DisplayListGetInfo for all panels to separate code bases for each. This fixed a problem with TPMCs that broke in 19 and also should lead to more stable code in the future.
- CmVptGui (1.1.3.7)
  - Fixed Currently Loaded Project display... Was not updating correctly after init, load, and reboot.

Toolbox 1.04.19 (2-20-2007)

Modules affected:

- CmVptLib32.dll (1.04.19)
- CmVptGui.dll (1.1.3.5)
- Devices.zinis (111)

Bugs Fixed:

- Devices.zinis (111)
  - Devices.ini (79)
    - TPMC-4X - Increased all timeouts due to slow WiFi

connections.

- CmVptGui.dll (1.1.3.5)
    - Meshnet Master Dialog - disable Start Acquire button until finished initializing. Also disable close after clicking start until we are fully started.

- CmVptLib32.dll (1.04.19)
    - DisplayListGetInfo - TPMCs have an issue where they support the TYPE command but do not list files with binary data correctly. We now detect this and do an xget if the type does not work.
    - Fixed bug dealing with opening temp files in GenericFileXferGet for USB ActiveSync devices. Change to native Windows API (was MFC CFile).
    - Fixed bug reading local info file resulting in 'No Project Loaded'

Toolbox 1.04.18 (2-20-2007)

Modules affected:

- CmVptLib32.dll (1.04.18)

Bugs Fixed:

- Devices.zinis (111)
    - Devices.ini (78)
        - Added ProblematicFWUpdate keys to appropriate 2 series processors.

- CmVptLib32.dll (1.04.18)
    - Improved Error detection for the GetDirListing ability where certain errors should be considered "folder not found". And not actually errors. (bug #12270).
    - FirmwareUpdate for 2Series processors - Added check when updating for interim versions which may hang during upload to certain other versions.

Toolbox 1.04.17 (2-15-2007)

Modules affected:

- CmVptLib32.dll (1.04.17)

Bugs Fixed:

- CmVptLib32.dll (1.04.17)

- CmVptLib32.dll (1.04.17)
    - FileSystem - ensure any dir <folder>\ has the trailing backslash. TPMC panels fail if it is not there. 2 series control systems take it either way so we put it in for all. Issue resulted in "Error retrieving prohect info" for display projects.

Toolbox 1.04.16 (2-13-2007)

Modules affected:

- Devices.zinis (110)
- TIA Menu Builder (1.0.1.6)
- CmVptLib32.dll (1.04.16)

Bugs Fixed:

- Devices.zinis (110)
    - Devices.ini (77)
        - Corrected entry for C2N-IRGWF.
    - DVPHD.ini (10)
        - Added attributes for default page, default preset, and ootb enable
    - MPS-100 (7)
        - Set Relays attributed obj to exclude from save config.
    - Macros.ini (29)
        - TPMC family - Removed Ethernet config support. Console commands removed in FW due to bugs.
    - TPS-6.ini (2)
        - Changed to TPS-6L device. Removed MaxDisplayListSize key.

- TIA Menu Builder (1.0.1.6)
    - Fixed possible crash when an unresolved node change is detected after downloading a project.
    - Fixed bug with saveing global events.

- CmVptLib32.dll (1.04.16)
    - TIA Menu Project - Verify availability of MMC before sending.
    - Generic File Transfers were reporting an incorrect remote filename in the progress events.
    - Generic File Transfer bug - Possibly clipping or appending NULL data to files. When finding the entry in the file listing, the first line that CONTAINED the filename was used. The size reported on the line was then the size used to set the file size once retrieved

file size once retrieved.

Toolbox 1.04.15 (1-29-2007)

Modules affected:

- Devices.zinis (109)
- QM Audio Config
- TIA Menu Bulider (1.0.1.4)
- SIMPL Debugger (1.0.0.9)
- File Manager (1.0.0.6)
- CmVptLib32.dll (1.04.15)

Bugs Fixed:

- Devices.zinis (109)
  - Devices.ini (75)
    - Made description for Device Type for TPMC-4X specify USB since ethernet is auto-detected.
- QM Audio Config (1.0.2.4)
  - Fixed key and mouse support for test patterns when in full screen
- TIA Menu Bulider (1.0.1.5)
  - When uploading, you will be asked if you would like to save, with a check box to not show this again.
  - When exiting in all cases (or loading a new project) if any changes have been made, you will be prompted to save.
  - One event still referenced joins 1-4000 in the properties area.
  - Updated help file with correct join range and a link to the sample file.
  - Fixed - After opening a project, the first time saving, user was prompted for the file (like a Save As...)
  - F1 was not bringing up the correct help page.
  - Show an asterisk after the project name in the caption if there are changes that have not been saved.
- TIA Menu Bulider (1.0.1.4)
  - Serial Join # is set to - Would crash if more than 230 chars were entered.
  - Adding a "Get user input as serial and send would prompt to add "accumulate and match" events.
  - Only allow joins 1 through 1000 to match new symbol spec.
  - Fixed dialgo resources to show (1 to 1000) for joins edit fields.
  - Fixed bug that would allow out of rangevalues for events

when editing (not a new entry).
    - Disallow double quotes in join value for "Serial Join is set to " events.
    - Password Protection dialog didn't fully create the DTMF Accumulate command resulting in PW never matching. fixed.
    - Fixed problem where on some systems, the "Play Audio" button didn't work.
    - Fixed problem were a "Clear User Input" command was not being added when using the Add Menu wizard.
    - Fixed Comments to come on the line before the command so as to not mess up the FW.
    - Fixed a problem where the PW wizard would generate the same name for a different swicth and possibly mix up passwords. Enforce each generated Pw menu to be unique.
- TIA Menu Bulider (1.0.1.3)
    - Corrected text on Switch To Menu command property page, referred to 'Update' which is no longer there.
    - Fixed bug with SetSerial command which was not putting quotes around the string.
    - Protect against user entering quotes in the string field of the set serial and get serial and match.
    - For Send Digital command, 'Pulse for' radio would not clear.
    - Fixed bug were first time after openeing a project, all files would be sent. Will still send all menu files, but audio files work correctly. This will be fixed completely later.
    - Fixed tree where bottom of the tree was getting cutoff due to the window being too big.
    - Fixed bug where audio files played from events within the global node, were not flagged as in use.
    - When adding a Check XX Join command, prompt the user to add associated events unless an event for that join is already present. Previously only checked type so once one digital was checked, the user would not be prompted any more.

- SIMPL Debugger (1.0.0.9)
    - Fixed bug which would sometimes incorrectly not filter out signal state data and it would therefore show as a console text event.

- File Manager (1.0.0.6)
    - Fixed bug where if the transfer failed, the transaction was never completed, thus locking the device.

- CmVptLib32.dll (1.04.15)

    - For GenericFileXferGet. Fixed problem cleaning up on failures. Also added a more textual error code description for xmodem failures.

Toolbox 1.04.14 (1-9-2007)

Modules affected:

- Devices.zinis (108)
- CmVptLib32.dll (1.04.14)
- Toolbox.exe (1.0.2.5)
- TIA Menu Builder (1.0.1.2)
- DVPTTool.ocx (1.0.0.1)
- SurroundSoundTools.ocx (1.0.0.1)
- SC_Lib.dll (1.0.0.6)

Bugs Fixed:

- Devices.zinis (108)
    - Devices.ini (74)
        - Fixed category for CHV-TSTATRF
        - Fixed EQ ranges for QM audio devices
        - Fixed Mixer data for QM devices. Some were using strings and some were using numbers which messed up parsing sometimes.

- CmVptLib32.dll (1.04.14)
    - Added error checking to NVRAMDisk enable to show any error reported by the device (like insufficient NVRAM.
    - Fixed bug so read-only ini device files still get loaded.

- Toolbox.exe (1.0.2.5)
    - Removed "New..." from File menu since it doesn't do anything.

- TIA Menu Builder (1.0.1.2)
    - Save last used audiofile path in registry.
    - Save "Apply to all files" check box state in the registry.
    - Increased buffer size for browsing for audio file to 8k to allow more files to be selected.
    - Fixed bug dealing with downloading a project. Current working folder not set so audio files were lost.
    - Removed Flush Command Queue as a command and instead exposed it as a check box for each event. This enforces it to be first which is the only it was intended to work.
    - Do not force save to file before sending to device.

- SC_Lib.dll (1.0.0.6)
    - Fixed bug so access to COM ports 10 through 255 works.

Toolbox 1.04.13 (12-29-2006)

Modules affected:

- CmVptlib32.dll (1.04.13)
- Devices.zinis (107)
- CmVptGui.dll (1.1.3.4)
- SIMPL Debugger (1.0.0.7)
- TIA Menu Builder (1.0.1.1)

Bugs Fixed:

- Devices.zinis (107)
    - MPS-100.ini (6)
        - Moved all MPS related cards into this file.

- CmVptlib32.dll (1.04.13)
    - DisplayListGetInfo for TPS method was always using "type" command (ListFile ability) which was not always supported. Now check for this and use FileXFerGet as a backup means.
    - FileSystemListFile for 2 Series method- Added chack for "Bad or Incomplete Command" response and return ABILITY_NOT_SUPPORTED error accordingly.
    - Fixed crash where malformed ID strings could crash the server. Found a device reporting version as "[v]".
    - Fix in Join interface for negative vlues (balance on MPS-100).

- CmVptGui.dll (1.1.3.4)
    - Project Dialog - Fixed timeouts due to longer "Get Current Project Info" time.
    - Fixed bug causing "Error retriveing info" to always appear.
    - TIA Menu Builder project dialog, change "Cancel" button to "close".
    - Address Book dialog - added workaround for TIA by waiting 10s after reboot before sending address book file.

- SIMPL Debugger (1.0.0.7)
    - Fixed formatting for serials. Was showing some printable ASCII chars as hex.

- TIA Menu Builder (1.0.1.1)
    - Fixed bug where changes are not sent to the device unless you first save the project. Now we call save to force a svae

you first save the project. Now we can save to force a svae and project name before sending.
    - Fixed bug where new commands were shown in the correct order, but saving and reloading does not preserve that order.
    - Added Prompt To Save If Changed on closing.

Toolbox 1.04.12 (12-18-2006)

Modules affected:

- Devices.zinis (106)
- CmVptLib32.dll (1.04.12)
- SIMPL Debugger (1.0.0.7)
- QM Audio Config Tool (1.0.2.1)

Bugs Fixed:

- Devices.zinis (106)
    - Devices.ini (73)
        - CHV-TSTATRF - Set max sleep time to 60000ms (1 min).
        - C2N-MNETGW - Versioned support to add the WakeUpDevice ability for v2.00.00 or better.
        - QM-MD7x2 - fixed Output 1 & 2 Mic Mix preset information
        - QM-MD5x1 - fixed Output Mic Mix preset information
        - Added ML-600 device based exactly on the ML-500
    - MPS-100.ini (5)
        - Fixed channel mode. Was using wrong join.
        - Fixed inverted amp control.
        - Changed balance range to be consistent with OOTBF +/- 20 steps.

- CmVptLib32.dll (1.04.12)
    - Added EAfnMeshnetMaster_WakeUpSleepingDevice ability.
    - Added meshent wake up support for CHV-TSTATRF.
    - Added CustomClientData ability group.

- SIMPL Debugger (1.0.0.7)
    - Fixed time error in trace, would loose 8 minutes at a time due to arithmetic truncation.

- QM Audio Config Tool (1.0.2.1)
    - QM-MD7x2 - Added presets for Output 1 & 2 Mic Mix
    - QM-MD5x1 - Added presets for Output Mic Mix

Toolbox 1.04.11 (12-04-2006)

Modules affected:

- Devices.zinis (105)
- Program Tree (5.0.2.6)
- SIMPL Debugger (1.0.0.6)
- CmVptLib32.dll (1.04.11)
- CEN-TIA Menu Builder Tool (1.0.0.10)
- QM Audio Config Tool (1.0.2.0)

Bugs Fixed:

- Devices.zinis (105)
  - Devices.ini (73)
    - QM-MD7x2 - fixed mic graphic eq band info.
  - MPS-100 (4)
    - Initial support for all audio via TJI
    - Added support for QMTxmitID.

- Program Tree (5.0.2.6)
  - Fixed endless loop via Post Message, when a project w/o an address has an XPanel in it certain operations are performed.
  - Fixed bug where if a device type was specified in the address, product info always came back and the tool was not checking the result status and verifying anyway even if it was not present.

- SIMPL Debugger (1.0.0.6)
  - Added Text Console Events to trace showing incoming text data for use in debugging.
  - Added Signal Transition Reporting Rate measurement text display above trace.
  - Fixed bug where some data was being displayed incorrectly (namely 0x8F was showing as 0x3C).
  - Keep last known signal state separate from event vector so the last known state is maintained after clearing the trace.

- CmVptLib32.dll (1.04.11)
  - Added initial TJI support for MPS-100 audio related items.
    - Fixed rounding such that 0 is really 0 and is not affected by single / double precision math.
  - Added a ProgramSupportedOps ability group for interacting with the program via user prog commands.
  - Added support for ~.LoadLogic.ini in VTZ files.
  - Added setting of error, but returning success when

EAfnTIAMenuProject_Send is sending modified only and there are none that are modified.
    - Added registry key to disable the auto pause resume bracketing file xfers.
        - Default setting is now to pause resume only for internal (disable for external).
    - Fixed problem with crashes when dealing with double parameters.

- CEN-TIA Menu Builder Tool (1.0.0.10)
    - Disabled "Manage Audio Files..." menu item and "Save" and "Save As..." buttons above tree when there is no project loaded.
    - Fixed column width sizing bug of Audio File Manager dialog's list control.
    - Fixed bug where files added through the Audio File Manager dialog do not get added to the Play Audio command dialog's file combo box.
    - Bug in Project Send dialog, where user is not alerted when there are no modified files to send, fixed by change in CmVptLib32.dll above
    - Changed style of Audio File Manager dialog's list control so that a user can select a row instead of just the filename.
    - Added Help via F1.
    - Added Help button to Audio Manager Dialog and removed 'Missing' Column since it does not apply now.

- QM Audio Config Tool (1.0.2.0)
    - Added MPS-100 support.
    - Added additional connection message stating there has to be a realtime connection.

Toolbox 1.04.10 (11-17-2006)

Modules affected:

- Devices.zinis (104)
- SIMPL Debugger (1.0.0.5)
- Program Tree (5.0.2.5)
- CmVptLib32.dll (1.04.10)

Bugs Fixed:

- Devices.zinis (104)
    - Macros.ini (28)
        - Added USB support for all control systems if

connected over USB for DevReste and PassTo Groups.
    - Devices.ini (72)
        - TPMC-4X - Fixed Display list load bug over ethernet.

          Was missing GenericFileXfer Support using normal commands. Only had USB.

- SIMPL Debugger (1.0.0.5)
    - Fixed bug where embedded NULLs in debug serial data was incorrect. Actually a fix in the server.
    - Fixed several points of crashes when no connection is made.

- Program Tree (5.0.2.5)
    - Fixed crash when image list was being created in the SIMPL interface thread. Now images are loaded on demand in correct thread.
    - Fixed crash in Refresh Item when non-existent tree handle is passed in.
    - Fixed bug where XPanels compiled as EXEs would never fire any upload status events so System Builder showed "Uknown" for status.
    - Fixed crashes due to CWnd objects being passed amongst threads.
    - Uninstalled devices no longer appear in the upload list.
    - Fixed "No physical device found message when uploading to a set of devices including one or more xpanels.
    - Fixed live update FW current version retrieval, broken since subnet decect code changes. Cresnet / Meshent devices would not work properly.
    - Fixed live update FW device type matching to find FW. Was using SIMPL name which may not match actual FW model name which is what is in the XML. Now we use the actual retrieved model name.

- CmVptLib32.dll (1.04.10)
    - Added special handing for cases on ethernet where we connect and immediately get kicked out with 10053. This is a problem with devices that only support a single active console connection. When we disconnect it takes it a secoond to clean up and if we try to connect tool fast, it thinks it is still alive and kicks us out. For cases where we are waiting for a connected state, if we connect but get kicked out with 100ms with 10053, then try to reconnect.
    - DisplayListSend for Cresnet hex file loads, added a call to follow the device through reboot after the load. Some may take 500ms or and occasionaly timeout verification when done through System Builder. Making sure we're ready to

done through System Builder. Making sure we're ready to go is the correct thing to do anyway.
    - ComChannel_TCP, in OnConnect, reset the last detect timeout timer to 0 so we can redetect immediately.
    - Added new ability ProgramRetrieveFileOfType.

Toolbox 1.04.09 (11-08-2006)

Modules affected:

- Program Tree (5.0.2.4)
- SIMPL Debugger (1.0.0.5)

Bugs Fixed:

- SIMPL Debugger (1.0.0.5)
    - F1 help fixed when running from SIMPL Windows.
    - Added "Trace Items..." button with a drop down to select what to show in the trace asa global override. Digitals, Serials, timestamps etc....

- Program Tree (5.0.2.4)
    - Fixed issues when "Cancel All" is used durin System Load. Items would cancel but one further upload attempts, all items would always come up as 'canceled' stating 'never started'
    - Fixed problem where XPanels would sometimes no load due to "There is no open session" error.

Toolbox 1.04.08 (11-03-2006)

Modules affected:

- CmVptLib32.dll (1.04.08)

Bugs Fixed:

- CmVptLib32.dll (1.04.08)
    - Xmodem - Added a Flush before sending any block. This should help ensure that the single byte we get back the actual response to the block just sent.
    - Serial Communications - Fixed a bug where bogus timeouts could occur at lower baud rates.

Toolbox 1.04.07 (10-31-2006)

Modules affected:

- CmVptLib32.dll (1.04.07)

- CmVptLib32.dll (1.04.07)

Bugs Fixed:

- CmVptLib32.dll (1.04.07)
  - Fixed crash related to graphic EQ info being loaded from the data file.

Toolbox 1.04.06 (10-31-2006)

Modules affected:

- Program Tree (5.0.2.3)
- CmVptLib32.dll (1.04.06)

Bugs Fixed:

- CmVptLib32.dll (1.04.06)
  - TPMC - Reported on TPMC-8X, fixed lingering error, post FW load. "Unable to identify device".
  - Added code so that errors generted while additions to the stack are disabled are still logged.
  - Disabled error additions to the stack during a follow reboot over ethernet while trying to reconnect.
- Program Tree (5.0.2.3)
  - Fixed bug where XPanels would not load in a system upload until they were uploaded individually first.
  - Fixed bug where "An Unsupported operation was attempted" message box appeared at program load start.
  - Fixed bug where "No physical device was found" message box appeared when the Upload Dialog came up if an XPanel was in the list.
  - Fixed Cancel all to cancel pending program load also.

Toolbox 1.04.05 (10-27-2006)

Modules affected:

- Program Tree (5.0.2.2)

Bugs Fixed:

- Program Tree (5.0.2.2)
  - Fixed bug where ethernet touch panels would not be loaded through System Builder.

Toolbox 1.04.04 (10-26-2006)

Modules affected:

- Devices.zinis (103)
- CmVptLib32.dll (1.04.04)
- SIMPL Debugger (1.0.0.4)
- Program Tree (5.0.2.1)
- CmVptGUI.dll (1.1.3.3)
- VptAddressBook.dll (1.0.1.4)

Bugs Fixed:

- Devices.zinis (103)
  - Devices.ini (73)
    - TPMC-4X - Fixed device type com spec to include TCP.
- CmVptLib32.dll (1.04.04)
  - Signal Debugging, fixed task limit settings for debug. Sync and Monitor were using the limit set for ignore.
  - Added an dditional error message for "COM port not found" in CComChannel_RS232.cpp.
  - Fixed parsing bug where link status for Port B on C2ENET-2 cards was incorrect if Port A had no link.
  - Extended All timeouts for SSL connections by a factor of 2, 4 for fast queries.
- SIMPL Debugger (1.0.0.4)
  - Reset Task Event limit for signal operations back to defaults when closing a session. Prevent System Builder from showing all task events if it is using the same session.
- Program Tree (5.0.2.1)
  - Fixed bug with load ordering which was causing programs to be loaded multiple times.
- CmVptGUI.dll (1.1.3.3)
  - Display List dialog - Mask common parse errors. This can occur if a tag is not present such as PNG required. This isn't an erorr, it's just not relevant so don't give the user an error.

Features Added:

- VptAddressBook.dll (1.0.1.4)
  - Added comment field for each address book entry.

Toolbox 1.04.03 (10.10.2006)

Toolbox 1.04.03 (10-19-2006)

Modules affected:

- SIMPL Debugger (1.0.0.3)
- Program Tree (5.0.2.0)

Bugs Fixed:

- SIMPL Debugger (1.0.0.3)
  - Fixed up some menu items and dialog descriptions for signal display format.
- Program Tree (5.0.2.0)
  - Fixed bug where "Upload..." menu item would not show or show incorrectly for various devices.

Toolbox 1.04.02 (10-17-2006)

Modules affected:

- CmVptLib32.dll (1.04.02)
- Devices.zinis (102)
- Program Tree (5.0.1.9)
- Network Tree (4.0.5.3)
- MediaTools (1.00.04)
- QM-Tools (1.01.04)
- System Info (2.0.1.4)
- CmVptGui.dll (1.1.3.2)
- SIMPL Debugger (1.0.0.2)

Bugs Fixed:

- CmVptLib32.dll (1.04.02)
  - Added case for hex files in FileDisplayListGetInfo and return a specific error.
- Program Tree (5.0.1.9)
  - Fixed logic for when to show "Update this XXXX Firmware" menu item.
- Network Tree (4.0.5.3)
  - Fixed Firmware Update dialog to show proper status for failed uploads.
- MediaTools (1.00.04)
  - Fixed bug where Parametric EQ filters were not appearing on graph

on graph
    - Fixed bug when performing firmware updates where multiple dialogs were opened

- QM-Tools (1.01.04)
    - Fixed bug when performing firmware updates where multiple dialogs were opened

- System Info (2.0.1.4)
    - Added SSL type (when enabled) to ethernet area.

- CmVptGui.dll (1.1.3.2)
    - Ethernet Addressing dialog - Changed "IP Mask" to "IP Subnet Mask".
    - Fixed call to FileDisplayListGetInfo for hex files.

- SIMPL Debugger (1.0.0.2)
    - Added menu separator before Start/Stop Sending signal menu items
    - Added ITBLoadProgramFile for client integration (SIMPL Windows).
    - Fixed activations on large signal groups, properly not continueing if not confirmed by the user.
    - Enabled cancel button on Task dialog.
    - Fixed bug where the first signal defined in the program would not show up in the tree.
    - Changed selected signal color scheme to be white text on dark gray background.
    - Changed Start/Stop sending signals to Start/Stop debugging signals and all references to it.
    - Added warning when changing the Include Module Signals setting since you will loose your trace. Also on program reload
    - Clear Events, Clear All events changed to Clear Trace to be consistent.
    - Fixed Status tree display after a "Sync All on program load"
    - Fixed Reload program to re-init all debug signal states on the device and prompt for sync all.

Toolbox 1.04.01 (10-05-2006)

Modules affected:

- Devices.zinis (101)
- VptComServer.exe (1.04.01)
- CmVptLib32.dll (1.04.01)
- CmVptGui.dll (1.1.3.1)

- CEN-TIA Menu Builder Tool (1.0.0.9)
- Program Tree (5.0.1.8)
- SIMPL Debugger (1.0.0.1)

- QM-Tools (1.01.03)
- MediaTools (1.00.03)

Bugs Fixed:

- Devices.zinis (101)
  - Devices.ini (68)
    - TPS-4 / QM-FTCC-TPS_TPS-4 -Bumped reboot timeout to 45s from 15s to accomodate ethernet startup time.
    - Removed Cresnet Slave Support from AADS and TPMC-8X
    - Removed Serial Comm support from the MPS-100
    - Added Bandwidth along with BandMode's center frequency
    - Added XPANEL device to support new verification method in Program Tree
  - Macros.ini(27)
    - Added DNS Management Support.

- VptComServer.exe (1.04.01)
  - Implemented queued message posting from sheduler to event thread. This prevents lost messages when things are flooded (signal debugging).

- CmVptLib32.dll (1.04.01)
  - Changed "progcom" to the full command "progcomments" in order to disambiguate it from any future commands.
  - Fixed bug that caused crash when disconnecting USB in PASSTO mode.
  - Fixed bug where ability macros are not resolved until device info is loaded. Exhibited by a TPMC-8X which reports TBINFO with a macro. The ExpandAbilityMacros call was not loading the macro file due to changes in the previous version.
  - Added extra check for MT-1000 firware zip files to ensure they are a valid zip and gives a proper warning. Bug # 10057
  - Fixed bug in Follow Program Restart code to properly detect "Program Initialized" and complete the program restart correctly.
  - Fixed bug where text console mode could be lost after the device reboots while a text console is open and is then

device reboots while a text console is open and is then closed after the reboot completes.
    - Reworked DNS Management abilities.
        - Depracated add/remove/list calls.
        - Declared new Set/Get Primary/Secondary abilities.
        - Implemented these new calls for 2 series control systems and added a method to implement for TPSB/G panels.
    - Changed spec for AudioGraphicEQGetBandInfo to return bandwidth also. Req. data file and tool changes.

- CmVptGui.dll (1.1.3.1)
    - Changed Ethernet DNS config dialog around to match new bility spec with setting primary / secondary DNS servers.
    - Changed Sync calls to Async in DisplayList dialog to fix intermittent timeout errors from calls timing out before being able to start.

- CEN-TIA Menu Builder Tool (1.0.0.9)
    - Fixed bug that added "Unkown" events to an existing menu that is password protected via the context menu.
    - Changed behavior so that user isn't prompted to save a New Command or Event when a type hasn't yet been selected.
    - Removed ellipsis marks from menu items that do not bring up another dialog.

- Program Tree (5.0.1.8)
    - Changed how XPanels are verified. Now the new "VerificationMethod" is checked and the control system's status is used..
    - Added catch all case to VerifyXPanelTarget exception handling to fail gracefully.
    - Fixed ordering of system loads such that the program is always loaded after all other components using the processor are complete.

- SIMPL Debugger (1.0.0.1)
    - Fixed multiple points of crashes from the main menu and context menu when no program is loaded.
    - Find Signal dialog had several points of crashing. Also made it easier to expand the list by double clicking or hitting enter or clicking OK. Also added text when no signals are found.
    - Better text messages when changing send all/send except modes.
    - Changed wording from Start/Stop Monitoring to Start/Stop

    - Changed wording from Start/Stop Monitoring to Start/Stop Sending.
    - Fixed menus to work when integrated with SIMPL.
    - Added prompt to synchronize all signals after loading a new program.

- QM-Tools (1.01.03)
    - Fixed bug where incorrect Parametric EQ filter was being modified. Devices affected were QM-MD5x1, QM-MD7x2 and all derivations of QM-RMCRX.
    - Modified software to automatically set all unused Parametric EQ filters (filters 1-10) to have gain of zero and filter type of Peaking EQ upon connecting to the device and upon recalling presets. Devices affected were QM-MD5x1, QM-MD7x2 and all derivations of QM-RMCRX.

- MediaTools (1.00.03)
    - Removed 'zero' button from Volume slider
    - Made the Balance control a horizontal slider
    - Fixed bug where Mixer values were set to -80 upon opening Mixer Dialog
    - Set the bandwidth for the EQ filters when switching Band Modes

Toolbox 1.04.00 (9-12-2006)

Modules affected:

- Devices.zinis (100)
- CmVptLib32.dll (1.02.38)
- CmCoolCtrls.dll (1.0.0.3)
- CmVptGui.dll (1.1.3.0)
- VptAddressBook.dll (1.0.1.3)
- Toolbox.exe (1.0.2.4)
- Program Tree (5.0.1.7)
- System Info (2.1.0.3)
- QM-Tools (1.0.1.2)
- MediaTools (1.0.0.2)
- CEN-TIA Menu Builder Tool (1.0.0.8)
- SIMPL Debugger Tool (1.0.0.0)

Bugs Fixed:

- Devices.zinis (100)
    - Devices.ini
        - Added PNG always supported to TPMC-4X.
        - Removed Cresnet Slave support for the PAC2M.

        - Changes CalibrateMode support for TPMC-4X to use TPMC-10 method.
        - Added Media Tool Support info to C2N-VEQ4 and MP2, MP2E and slaves.
        - Added QM-MD4x2, QM-MD8x8, and QM-MD16x16 support.
        - Added C2I-TPI card from the DVP4-DI.
        - Added CHV-TSTATRF basic support.
        - CEN-TIA - Fixed Reboot over cresnet support.
        - CEN-IDOC - Added DNS management support.
        - Added TPMC-8X initial support.
        - AES - Removed Cresnet Slave support.
        - Fixed Program support for ESlaveRMCs
        - Changed ESlaves over to use Macro2SeriesSlaveCtrlSysMinimal macro
        - C2I-MPS-AUDIO1, VIDEO1, and FPANEL - added Firmware update support.
    - Macros.ini (27)
        - Changed CalibrateMode support for TPMC10 series macro.

- CmVptLib32.dll (1.02.38)
    - Fixed cancel mechanism over USB active sync file transfers.
    - Added TPMC-10 method for CalibrateMode ability group.
    - Added SSL certificate management abilities.
    - Added SIMPL+ max size checking when loading programs.
    - Fixed bug for MT-500C where it would come back with correct model name even if it did not verify.
    - FirmwareUpdate for 2SeriesMonitor - Changed final command from "quit" to "reboot"
    - Changed progress text in subnet detect from "Detecting duplicate..." to "Checking for duplicate..."
    - Fixed bug in GenFileXferPutBatch/GetBatch where the root path was not always used as the starting reference.
    - Fixed ASCII transfers again. Line pacing/formatting was not correct.
    - Fixed problem with Text Console mode where ref counts were not being used properly. Would result in loss of console mode when close one of multiple consoles to the same device.
    - Re-organized data files into a single zip which can be splitup and portions included with an include type statement.
    - Fixed crash in TPSB/G display list transfers if the VTZ file does not contain a manifest file.

    - Added XModem Interface call to flush receieve buffers. When an unknown character comes back as the start of a packet, we now flush the recieve buffers and the pipe and retry, this should help with recovery wehn unexpected data gets into the stream.
    - Generic Crestron USB devices - If there was an erorr getting the string descriptors it assumed things were ok and would match empty fields thinking a device was there when it was not. Fixed to assumed NOT matched if errors when getting string descriptors.
    - Exported a call to get the Master Device Profile. Used by the address book DLL.
    - Fixed bug in task settings for signal debug stuff.

- CmCoolCtrls.dll (1.0.0.3)
    - Fixes for Static and Slider Control.

- VptAddressBook.dll (1.0.1.3)
    - Changes to support new ZINIS data file.
    - Delay Comm port detection until radio 'Other' radio is selected on RS232 dialog since there is some lag when loading.

- Toolbox.exe (1.0.2.4)
    - Fixed Window Title update when changing address book entries.

- Program Tree (5.0.1.7)
    - Added exception handling and logging on all dispatch calls.
    - Upload Dialog
        - Fixed bugs which might allow upload button to be enabled when one or more checked devices are verifying.
        - If one item is selected and you double click the check of another an incorrect warning may appear.
    - Made the SetParentHWnd actually set the parent of all modal dialogs (upload etc...)

- System Info (2.1.0.3)
    - Fixed bug which would not allow a full device redetect when clicking "Refresh".
    - Better error reporting when no device is found.
    - Better progress reporting during detection phase.

- QM-Tools (1.0.1.2)
    - Renamed from Audio Config Tool
    - Fixed loading of configuration for the QM-TX

- Fixed loading of configuration for the QM-TX
- allow .1dB increments on gains
- Added "Clear Filters" button to Parametric Filter Graph
- Bass and Treble Shelf filters slope range is 1-3

Features Added:

- CmVptGui.dll (1.1.3.0)
  - Added SSL Certificate management ops to SSL context dialog.
  - Added current display list info to Project dialog.
- QM-Tools (1.0.1.2)
  - Added support for 4x2, 8x8.
- MediaTools (1.0.0.2)
  - Initial release - Audio coniguration for non QM devices such as MP2 and VEQ4
- CEN-TIA Menu Builder Tool (1.0.0.8)
  - Initial Release - Menu Builder Tool for CEN-TIA
- SIMPL Debugger Tool (1.0.0.0)
  - Initial Release - Test Manager Replacement

Toolbox 1.02.37 (8-03-2006)

Modules affected:

- CmVptLib32.dll (1.02.37)
- VptComServer.exe (1.02.37)
- Toolbox.exe (1.0.2.3)
- Network Tree (4.0.5.2)
- Program Tree(5.0.1.6)
- Text Console (2.1.1.4)
- CmVptGui.dll (1.1.2.9)
- VptAddressBook.dll (1.0.2.3)
- USB Driver (1.01.04)

Bugs Fixed:

- CmVptLib32.dll (1.02.37)
  - Fixed bug in Audio base class where if an channel parameter was not even a string, we could continue setting the previous channel with it's parameters.
  - Added some additional error messages to USB connections when they fail due to the device being locked by another connection.

- Added additional error messages to ethernet connections when they fail in an attempt to make them more understandable.
- For connections made the failure to connect detection work a bit faster in a particular case, especially for ethernet connects.
- Reversed order of error messages so last added is first to be seen.
- Changed Insufficient memory message to add "Please expand this memmory if supported by the device."

- VptComServer.exe (1.02.37)
  - Disabled part time logging and always force full time logging.

- Toolbox.exe (1.0.2.3)
  - Modified intro message if System Info is going to be launched telling them because of intro mode they are being connected to COM 1 using System Info.

- Network Tree (4.0.5.2)
  - Fixed error reporting when we cannot connect.

- Program Tree(5.0.1.6) -Fixed bug which would cause multiple devices to not verify or show with the 'Question' icon is an AAS or other devices which could not be verified were found in the program.

- Text Console (2.1.1.4)
  - If we are disconnected and the user enters text, trigger a redetect so errors connecting will be shown again.

- CmVptGui.dll (1.1.2.9)
  - Fixed Enable Web Server check box on the Web Pages dialog. Was not working.

- VptAddressBook.dll (1.0.2.3)
  - Fixed bug where after selecting a device type, changing the main connection type, would clear this selection.

- USB Driver (1.01.04)
  - Made access to read/write pipes exclusive to enforce only a single shared connection to each USB device.

Toolbox 1.02.36 (7-28-2006)

Modules affected:

- CmVptLib32.dll (1.02.36)
- CmVptGui.dll (1.1.2.8)
- VptComServer.exe (1.02.36)
- Program Tree Control (5.0.1.5)

Bugs Fixed:

- CmVptLib32.dll (1.02.36)
  - Added additional error chacking when setting ethernet hostname to verify the new setting.
  - Added missing TaksStart/Complete calls for deleting files before sending web pages.
  - Added debug asserts for events to help flag invalid event sequences while debugging.
  - Added MP2Specialization method and implementation for VideoSwitcher group
  - Modified AudioEQConfig to allow band info based on EQConfig setting.
  - Added caching of band config setting.
- CmVptGui.dll (1.1.2.8)
  - Added checking for invalid characters in Ethernet dialog for hostname.
- VptComServer.exe (1.02.36)
  - Fixed problem in the scheduler where it could get hung in PumpMessage while requests were waiting in session queues. Add a max time poll time limit (def to 1s) in which if no messages come in within this time, we drop through and check for requests. Overridable via registry.
- Program Tree Control (5.0.1.5)
  - Fixed TransferStatus events being posted to parent app (System Builder) incorrectly.
  - Problem fixed where XPanel EXE projects would not be compiled by the tree.
  - Added Verbose status log strings for all status and upload status changes. Also added debug strings to UploadDialog m_bIsUploading logic.
  - Fixed progress bar overwrite issues.
  - Made warning messages when changing upload address to be modal to the dialog which shows them.
  - Fixed problem causing System Builer to get stuck in an 'Uploading' state. This would occur after sending scheduler data file.

Toolbox 1.02.35 (7-21-2006)

Modules affected:

- Devices.ini (66)
- CmVptLib32.dll (1.02.35)
- VptComServer (1.02.35)
- CmVptGui.dll (1.1.2.7)
- Network Tree (4.0.5.1)
- Program Tree (5.0.1.4)
- Help File.

Bugs Fixed:

- Devices.ini (66)
  - Change PAC2M ethernet card name to C2PAC2MENET-1

- CmVptLib32.dll (1.02.35)
  - Fixed some hangs in MT-1000 connection code in CeRapi.
  - Added Cancel handling in MT-1000 connecting task.
  - Changed timeout for retrieveing HW info from fast to slow query.

- VptComServer (1.02.35)
  - Fixed possible crash if worker thread gets busy and Open messages from scheduler timeout.
    - we now set a flag and let the worker cleanup if a timeout occurs.

- CmVptGui.dll (1.1.2.7)
  - Display List dialog - changed "Not supported" for Display Directory to "Not applicable to this device"

- Network Tree (4.0.5.1)
  - Added better progres indicators when trees are linked by posting progress info back and forth. Normally the first to be scheduled would get progress and the second would not due to cached info.

- Program Tree (5.0.1.4)
  - Changed XPanel EXE upload message to reference just the project folder as a relative path instead of the absolute path to the temp folder.
  - Fixed a bug related to the SMW tree sometimes not populating itself. An internal message was being posted before a message queue was created sometimes.
  - Added better progres indicators when trees are linked by

- Added better progres indicators when trees are linked by posting progress info back and forth. Normally the first to be scheduled would get progress and the second would not due to cached info.
- Added a couple points of checking for crashes on DispInterface calls to RefreshItem.

- Help File Updated
  - Includes update icon descriptions for Program tree

Toolbox 1.02.34 (7-18-2006)

Modules affected:

- Devices.ini (65)
- CmVptLib32.dll (1.02.34)
- Program Tree Control (5.0.1.3)
- Network Tree (4.0.5.0)

Bugs Fixed:

- Devices.ini (65)
  - PAC2M
    - Added card names.
    - Changed Passto support to work for USB.
    - Changed DevReset support to work over USB.
    - Removed SerialCom support.
  - Added "VerificationMethod=None" to AAS device.

- CmVptLib32.dll (1.02.34)
  - Added method for Generic USB support.
  - Mapped USB method of Passto to serial implemenation to properly send the break.
  - Mapped new USB implementation of FollowReboot.

- Program Tree Control (5.0.1.3)
  - Changed message when trying to edit the session address of the contorl processor to use the main application.
  - Added checking of "VerificationMethod" from Toolbox Data file for "None".
  - Changed icon for unable to verify devices to the same as "Not Installed".
  - Fixed bug where device info posted to linked tree wasn't formatted properly. In Setup ID dialog under Type for C2I-ADG-FRONTPANEL was showing "DeviceType:25"
  - Poperly detect XPanel EXE projects and show appropriate message

message.
    - Fixed some file transfer status posting.

- Network Tree (4.0.5.0)
    - Fixed crash if control is closed while in the "Connecting..." state.

Toolbox 1.02.33 (7-14-2006)

Modules affected:

- Macros.ini (26)
- CmVptLib32.dll (1.02.33)
- Program Tree Control (5.0.1.2)
- VptAddressBook.dll (1.0.1.1)

Bugs Fixed:

- Macros.ini (26)
    - Macro2SeriesSlaveCtrlSysMinimal - Removed SignalDebug, NVRAM, and NVRAMDisk abilities.

- CmVptLib32.dll (1.02.33)
    - Fixed MT-1000C which broke since 1.02.30.
    - EthernetWebPagesSend - Pause program moved to the very beginning to help with program startup issues. Specifically rcon prompts coming back from System Builder QM program.

- Program Tree Control (5.0.1.2)
    - Added protection for "Edit Session..." for those devices which do not appear to support alternate upload addresses. If the user wishes to continue, the address will not be saved.

- VptAddressBook.dll (1.0.1.1)
    - For RS232 added Other for COMports which lists detected ports.

Toolbox 1.02.32 (7-11-2006)

Modules affected:

- CmVptLib32.dll (1.02.32)
- CmVptGui.dll (1.1.2.6)
- SMW Tree Control (5.0.1.1)
- VptAddressBook.dll (1.0.1.0)

Bugs Fixed:

Bugs Fixed:

- CmVptLib32.dll (1.02.32)
  - Fixed insufficient memory error message text.
  - Added better debug infor for async data reads.
  - Extended device timeouts by 3x (min 15s) for 60s after a program finishes starting up.
  - Added deletion of IPTable file in sys folder if it was sent, but then later in the load failed or was canceled.
  - Added a fix for some Crestron USB console devices to help them work through hubs.
- CmVptGui.dll (1.1.2.6)
  - Added crash protection when empty connect strings are passed in.
- SMW Tree Control (5.0.1.1)
  - Fixed handling of upload address. Was not being used after being set due to the new subnet detection code.
  - Fixed Display project paths. In System Builder, the tree could rarly find the display projects due to the interface path not being set, or getting lost.
  - Removed pop-up error message box when verify is called when no address is set. This happens sometimes in System Builder through the composers.
  - Fixed problem where upload address was not always being used properly.
- VptAddressBook.dll (1.0.1.0)
  - Only add IP addresses to the history if it is not empty.

Toolbox 1.02.31 (6-30-2006)

Modules affected:

- Devices.ini (63)
- CmVptLib32D.dll (1.02.31)
- CmVptGui.dll (1.1.2.5)
- VptAddressBook (1.0.0.9)
- Network tree (4.0.4.9)
- SMW Tree Control (5.0.1.0)

Bugs Fixed:

- Devices.ini (63)
  - TPMC-4X - Changed FileSystem group support to 49,1 to support USB better

support USB better.
    - CEN-TIA - Added CompactFlash Support for MMC method.
    - Added Product:39 support to GenericConsole to overide ProductGetInfo calls.
    - Added AADS cards support.
    - Added 2-Series Control System Monitor device type. Not Auto-detected, but selectable.

- CmVptLib32D.dll (1.02.31)
    - Added implementation for TPMC-4X for file System Group based on 2Series, and overrode GetDirListing to work porperly.
    - Added calls to CeSetFiletime in the CERapi interface to ensure timestamps of project files are correct.
    - Added code to calculate appropriate timeout after sending a generic file based on file size for GenericFileXFerPut to allow the device sufficient time to write to the flash.
    - Added a forceful redetect when USB handles are closed to ensure device info is redetected if the device changes.
    - Added EAmManual method implementation for Product group.
    - Added additional program startup code in an attempt to properly follow full program restart even with heavy processing after CUZ initialization. This is used for program restarts and also on initial device detection if we see that a program is loading. Also handles cancels and even if we do not get a prompt back.
    - Added System Tick count as second parameter to signal debug events.
    - Added debug text to all task events to know when task events are being posted to clients.
    - Consolidated debug output for program restarts.
    - Added a 2SeriesMonitor method and an implementation for Firmware.
    - Fixed crash in subnet detection (reportcresnet) where signal debug statements could come back before the prompt and attempt to be parsed as cresnet device reports which could crash the server. Extra rejection protection added.
    - Added better auto-repsonse parsing where additional matching starts (but without ends) would trigger events that won't parse correctly. e.g. signal debugging and ppndiscover both use start chars.
    - Added parameters to USB comm spec in CComSpecParser class and parsing for it.
    - Added additional code in initial device detection to detect signal debug statements and to assume the device is ready for commands once it sees any of these. Checks for

for commands once it sees any of these. Checks for "\x03\x01\x0D" sequence.
    - Fixed bug in GenericFileXferGetBatchFrom and PutBatchTo, where the device path was incorrectly appended to the storage location. i.e. CompactFlash,"\NewFolder" would translate to "\NewFolder" instead of "\cf0\NewFolder"
    - Added Pause and Resume Program Bracketing Xpanel loads, and all GenericFileXfers. Bug #8975.
    - Disallow cross-loading of OOTBF programs.

- CmVptGui.dll (1.1.2.5)
    - Ethernet dialog, ip mask was being set to calculated mask too often. Only sets it when the ip address looses focus and the mask is 0.

- VptAddressBook (1.0.0.9)
    - Added IP address history in a combo box.
    - Added search fields to USB connection type dialog. First device matching specified parameters will be connected to. Empty fields will match anything.

- Network tree (4.0.4.9)
    - Fixed multiple redraw issues to make display faster.
    - Fixed Cancel All in Upload Dialog.
    - Fixed bug when changing IDs and cancel is clicked, would say "Error Changing".
    - Moved progress indicator to error node.
    - Added alert message box when user tries verifying, but comm setting hasn't been set

- SMW Tree Control (5.0.1.0)
    - Fix to update UI project file name on refresh. Also updates device model changes.
    - Moved progress indicator to error node.
    - Added alert message box when user tries verifying, but comm setting hasn't been set.
    - Ellipsis marks removed from UI items that do not bring up a dialog; i.e. "Reload Program..." context menu choice.

Toolbox 1.02.30 (6-23-2006)

Modules affected:

- CmVptLib32D.dll (1.02.30)
- Toolbox.exe (1.0.2.2)
- File Manager (1.0.0.5)
- QM-Tools (1.00.10)
- SMW Program Tree (5.0.0.0)

- SMW Program Tree (5.0.0.9)
- Network Tree (4.0.4.8)

- CmVptLib32D.dll (1.02.30)
  - Added 2SeriesMMC method and a version for CompactFlash ability Group.
  - Changed 2SeriesCommand method of CompactFlahs to use the root path and tag for status from memeber variables so they could be easily overridden in derived methods.
  - GenericFileXfer for 2Series, modified DoesSystemNeedHeader to check for "\\MMC" too.
  - Fixed bug where USB was not shutting down properly which led to communications stopping.
  - Added better cancel recovery in SubNetowork Detection.
  - Fixed cancel recovery in CresenetMasterReportDevices , and added it into TSDeviceMasterReportDevices.
  - Fixed ASCII transfers to handle <CR> <LF> pairs better.
  - Fixed up USB to check product IDs, string descriptors for Prod ID4 and to have better debug output.
  - Changed timeout for file system compaction to really slow query from slow query to accomodate possible ethernet lags.
  - Don't cache subnet detection results if it was canceled.

- Toolbox.exe (1.0.2.2)
  - Fixed crash when focus changes. Various tools and various timing.

- File Manager (1.0.0.5)
  - Set to be shown as a drive if detected.

- QM-Tools (1.00.10)
  - Fixed bug where Attack and Decay values were not being set correctly on QM-WMC, QM-MD7x2 and QM-MD5x1.

- SMW Program Tree (5.0.0.9)
  - Fixed problem where if a device is not found, and re-verfied in the upload dialog, it would never complete verifying.
  - Changed behaviour of upload dialog such that even if the file is not found, the device is still added to the list.
  - Changed verification of model against program to be case insensitive.
  - Fixed bug in Device Upload dialog, where the "device not found, check connection" was shown from System Builder Adagio Composer. System Builder calls 'Check' which cehcked status and if status != Verified. It should be status == NotVerified.

- Network Tree (4.0.4.8)
    - Fixed several bugs dealing with canceling detections and show proper stats.

Toolbox 1.02.29 (6-14-2006)

Modules affected:

- Devices.ini (61)
- Macros.ini (25)
- CmVptLib32.dll (1.02.29)
- CmVptGui.dll (1.1.2.4)
- Text Console (2.1.1.2)
- Network Tree Control (4.0.4.7)
- SMW Program Tree (5.0.0.8)

Bugs Fixed:

- Devices.ini (61)
    - Corrected FW filespec for CslaveMC2W
    - Enabled Xmit ID for QM-TX (missed in the previous build, WML 6/5/06)
    - Increased reboot timeout for TPSB panels to 30s from 10s.
    - Added CEN-IDOC as an alternate name for the IPod and changed FW file spec.
    - Initial Support for TPMC-4X all functional.
- Macros.ini (25)
    - Added DeviceMonitor:10 support to Macro2SeriesCtrlSysMinimal

- CmVptLib32.dll (1.02.29)
    - Fixed Timing Issues with MT-500C (Pronto) causing load failures.
    - Added additional error checking on EAfnSubNetworkSlot_ReportDevices to make sure slot number is valid.
    - Added an error in initial device detaction if we could not connect.
    - Fixed bug where a control system could get stuck in passto for a period if text console was open.
    - Added better error message when changing cresnet device which needs a broadcast packet.
    - Added BasicDisplaySetPassword, BasicDisplayGetPassword abilities.
    - Added DeviceMonitorEnter ability to boot into the monitor.
    - Fixed bug in BasicDisplayGetFrontPanleLines which left a

prompt in the input buffer unread.
    - Fixed crash post TPMC-4X FW load. This was due to MFC crashin on Year 2099 file timestamps.
    - Extended timeout after XPUT for generic File Xfers (2Series method) to accomodate possible ethernet lags. Bug #8645.

- CmVptGUI.dll (1.1.2.3)
    - Removed "retrieve" button from web page dialog since it is not implemented yet.

- Text Console (2.1.1.2)
    - Changed initial detection around to show error messages from initial device detect.

- Network Tree Control (4.0.4.7)
    - Changed all change ID stuff to be asynchronous.
    - Fixed a bug where clearing a cresnet ID would cuase the device to show it's TSID instead of 01 for cresnet ID.

New Features:

- CmVptGui.dll (1.1.2.4)
    - Added 'Clear' button to Identify Transmitter ID dialog.
    - Added Button on Basic Display dialog for setting Front Panel PW.

- Network Tree Control (4.0.4.7)
    - Added top level error node to show errors persistently.

- SMW Program Tree (5.0.0.8)
    - Added top level error node to show errors persistently.

Toolbox 1.02.28 (6-02-2006)

Modules affected:

- Devices.ini (60)
- QM Audio Tool (1.0.0.9)
- CmVptLib32.dll (1.02.28)
- SMW Tree Control (5.0.0.7)
- Network Tree Control (4.0.4.6)
- Help File

Bugs Fixed:

- Devices.ini (60)
    - Enabled Xmit ID for QM-TX

    - Added cards for IM line, previously listed as Unknown.

- QM Audio Tool (1.0.0.9)
    - Renamed tool from QM-Audio Configuration to QM-Tools
    - "Save" button on Preset Dialog for Mixer, Graphic Eq, Parametric Eq, Video Settings Presets (for all devices) are disabled if no changes have been made.
    - QM-RX - renamed "LINE OUT" on overview dialog to "Video Out"
    - QM-TX - renamed video inputs from "Computer", "Video", "S-Video", "Composite", and "none" to "Pr/Comp/R", "Y/G", "Pb/C/B", "H", and "V"
    - QM-TX - Removed "Mute All" button from overview dialog
    - Added QM-MD8x8 and QM-MD4x2 console commands to Help File

- CmVptLib32.dll (1.02.28)
    - Added method for USB ActiveSync devices which support the pseudo-console interface (block mode console commands)
    - Added Product and GenericFileXfer ability groups for the new USBActiveSync method.
    - Added a new ComChannel_USBActiveSync com channel which provides a SendCommandWaitToken call only.
    - FileXferGet would fail if filename case did not match that of the remote device.

- SMW Tree Control (5.0.0.7)
    - Fixed multiple crashes apparent in System Builder and D3Pro.

- Network Tree Control (4.0.4.6)
    - Fixed refresh problems for error cases. Apparent in Program Tree.

- Help File
    - Minor updates and corrections

Toolbox 1.02.27 (5-25-2006)

Modules affected:

- Devices.ini (59)
- Macros.ini (24)
- CmVptLib32.dll (1.02.27)
- SMW Tree Control (5.0.0.5)

- Network Tree Control (4.0.4.5)
- Toolbox.exe (1.0.2.1)

Bugs Fixed:

- Devices.ini (59)
  - Fixed parametric save and recall for serveral QM devices.
  - Fixed graphic EQ preset save for QM-DM7x2.
  - Changed reboot timeout for TPS-4L from 15s to 45s
  - Added Max Project Size as 7Mb for TPS-4L.

- Macros.ini (24)
  - Changed IPTable support from 14 to 13 for TPMC10 macro.

- CmVptLib32.dll (1.02.27)
  - Added TMPC-10 implementation of IP Table parsing.
  - Re-worded and added error code descriptions for XModem transfer failures. (Bug 8496)
  - Fixed - SubNetDetection would return error "Ability ConfigFileSend not supported" if an CLS-C6s are on the network. (Bug 8498)
  - Fixed 2-series program restart timeout watchdog to be 20s from 10s.

- Network Tree Control (4.0.4.5)
  - Fixed crash if changing a device with childeren and the trees are ilnked and you tell it to refresh for you.

- SMW Tree Control (5.0.0.6)
  - Fixed logic in Tree Node flags
- SMW Tree Control (5.0.0.5)
  - Added OnPreUpload event for System Builder to be able to do stuff when the user clicks upload but before the uploads start.
  - Fixed bug that caused a device to verify if any device was found.
  - Fixed bug which if still verifying, would ignore any address change.
  - Fixed bug to show 'Verifying' status when tree is first opened.

- Toolbox.exe (1.0.2.1)
  - When address is updated in address book from changing a cresnet ID, the title of the window was not updated and still had the old address listed.

Features Added:

- SMW Tree Control (5.0.0.5)
    - Added status field to each device showing why it was not verified.

Toolbox 1.02.26 (5-12-2006)

Modules affected:

- Devices.ini (58)
- CmVptGUI.dll (1.1.2.2)
- CmVptLib32 (1.02.26)

Bugs Fixed:

- Devices.ini (58)
    - Fixed parametric presets for RMCRXs
- CmVptGUI.dll (1.1.2.2)
    - Protect better against non VTPro projects since users son't have a good understanding of this. Warning added when de-selecting VTPRo Project check box. Also force a file spec to send.
- CmVptLib32 (1.02.26)
    - Fixed AES program sending to reboot after

Toolbox 1.02.25 (5-08-2006)

Modules affected:

- CmVptLib32.dll (1.02.25)
- VptComServer.exe (1.02.25)
- Program Tree (5.0.0.4)
- Network Tree (4.0.4.4)
- QM Audio Tool (1.0.0.8)
- CmCoolCtrls.dll (1.0.0.2)
- Devices.ini (57)

Bugs Fixed:

- Devices.ini (57)
    - Added CEN-IPOD in loader mode to have basic support.
- CmCoolCtrls.dll (1.0.0.2)
    - Fixes for Slider Control
- QM Audio Tool (1.0.0.8)

    - Fixed bug where Linking Graphic Eqs caused tool to hang
    - Update Delay value upon hitting Enter (RMCRX, 5x1, 7x2)
    - Fixed bug which caused multiple update requests to the device.

- CmVptLib32.dll (1.02.25)
    - Fixed System Error Log retirval. Large programs cause delays which triggered the old end of log code Now we wait for a PROMPT. A '>' on a line with nothing else but alpha numerics, hypen, and underscore. We need to do this since there can be embedded '>' chars in the error log.

- VptComServer.exe (1.02.25)
    - Cleaned up work thread clean up to possibly fix crash.

- Program Tree (5.0.0.4)
    - Fixed to refresh both trees on F5 when linked.

- Network Tree (4.0.4.4)
    - Handles messages from linked program tree to do a refresh.
    - Fixed bug when changing cresnet IDs from duplicate to valid, would reconnect to the control system.

Toolbox 1.02.24 (5-05-2006)

Modules affected:

- CmVptLib32.dll (1.02.23)
- VptComServer (1.02.23)
- SMW Program Tree (5.0.0.3)
- Network Tree control (4.0.4.3)
- QM Audio Tool (1.0.0.7)
- Devices.ini (56)

Bugs Fixed:

- Devices.ini (56)
    - Fixes for CEN-IPOD v1.00.000, IPTAble, firmware over cresnet etc...
    - Fixes for QM-RX/AE AUTOCOMPEN commands.
    - Fixed file specs for ST-1700C and ST-1700CIR firmware.

- CmVptLib32.dll (1.02.23)
    - For cresnet/slot uploads, if the file transfer fails due to timeout, we now call SafeXModemCancel to do a proper cleanup and get back to a prompt.

- VptComServer (1.02.23)

- VptComServer (1.02.23)
    - Added error messages and checking for device type conflicts with addresses.
    - Changed message for COM port conflicts.

- SMW Program Tree (5.0.0.3)
    - Fixed hang on load of SIMPL program (dues to temp toolbox sessions being created)
    - Fixed bug which for newer versions of SIMPL, would cause the icons (or device category) to be incorrect.
    - Fixed bug which caused web project to fail to upload to devices with a display project and a Web project. This is due to incorrect logic in determining the file to load.

- Network Tree control (4.0.4.3)
    - Sending of Abort request during file transfers is immediate in both controls
    - Firmware tasks are now shown in upload dialog.
    - If a device ID is changed that has childern, all it's childeren are shown with the red X icon since they are really no longer there.

- QM Audio Tool (1.0.0.7)
    - Initial Release. Supports QM-RMRCX(-BA), QM-MD7X2, QM-MD5X1, QM-WMC, QM-RX, QM-TX, QM-AE, QM-FTCC, QM-FTDC, QM-FTMC, QM-FTSC

Toolbox 1.02.23 (4-28-2006)

Modules affected:

- CmVptCom.dll (1.0.0.2)
- CmVptGui.dll (1.1.2.1)
- CmVptLib32.dll (1.02.23)
- Devices.ini (55)
- Network Device tree (4.0.4.2)

Bugs Fixed:

- CmVptCom.dll (1.0.0.2)
    - Fixed bug in recalling last used settings in TBClientAppCommunications object.

- CmVptGui.dll (1.1.2.1)
    - Fixed IPTable dialog to make it read-only if running the OOTBF program.

- CmVptLib32.dll (1.02.23)
    - Reworked initial detection and follow reboot calls to follow progress better to ensure the deivce is completely up and ready to go in all cases.
    - Added ETagSIMPLProgram_Type to get program Type using ProgramGetInfo ability. Will return one of "User", "OOTBF", or "None"
    - Changed timeout for base audio abilities to SLOW_QUERY. Was failing on rcon of parametric eqs.
    - Changed timeout after program load of following program reset to match ProgramReset code.
    - Added delay to fix timing bug in FileXferGet.

- Devices.ini (55)
    - Fixes for Audio Config Tools.
    - Added C2Y-HUB8 to the data file as a plug in card. From a RACK2

- Network Device tree (4.0.4.2)
    - Change handling of program restart to allow it to completet he restart and use the ServerClientMessage to close and delete the session.
    - Migrated fixes to upload dialog from program tree.

Toolbox 1.02.22 (4-26-2006)

Modules affected:

- Devices.ini (55)
- Program Tree (5.0.0.2)

Bugs Fixed:

- Devices.ini (55)
    - Added RemoteConsole:3 support to CSlave and ESlave RMCRX/BA devices.
    - WMC and variations, the XMITID was parsing incorrectly.

- Program Tree (5.0.0.2)
    - Added additional checks when assigning a file selected for upload to a device and warning dialogs.
    - Save Firmware Upload dialog coordinates and device list column widths to the registry.
    - Browse opens to last browsed path, also saved in registry.
    - FirmwareUploadDialog now shows TaskStart and TaskComplete messages.
    - Fixed file filter spec format for browse file dialog.

- CmVptLib32.dll (1.02.22)
    - Fixed VptParser for x where it would not advance to the proper character. Mainly affects audio abilities.

Toolbox 1.02.21 (4-21-2006)

Modules affected:

- Devices.ini (54)
- System Info (2.1.0.2)
- CmVptLib32 (1.02.21)
- VptComServer.exe (1.02.21)
- CmVptCom.dll (1.0.0.1)
- SMW Program Tree (5.0.0.1)

Bugs Fixed:

- Devices.ini (54)
    - QM-AMP3X80 - fixed 'x' to be upper case to match device FW name.
    - Fixed audio extries for MD7x2 and 5x1 (DS)
    - Fixed parsing for currently linked transmit ID, wouldn't parse hex ids correctly.

- System Info (2.1.0.2)
    - Card Info, SW cpaabilities, and HW info now only shown if those specific abilities are supported.

- CmVptLib32 (1.02.21)
    - ProgramStop for 2Series method, Changed timeout to 15s / 45s. Also report error if we don't get a pormpt.
    - ProgramSend for Adagio method, after sending ootbfload or progload, changed program stop timeouts to 15s/45s and carry failures through.
    - For DisplayListSend for cresnet and viaSlot methods, checking hex file for target panel type header. If valid and does not match, query the user to send anyway?
    - Upped timeout for SafeXModemCancel to 50s from 30s and added task progress
    - Fixed VptParse for hex numbers where it would not adavance the target string past alpha chars in the hex number.

- VptComServer.exe (1.02.21)
    - Added timestamp to filename of each individual session log. Also set the time of the file within the zip to the time the

session was opened.

- CmVptCom.dll (1.0.0.1)
  - Added CTBClientAppCommunications object for use in apps like VTPro and SIMPL.
- SMW Program Tree (5.0.0.1)
  - Fixed verification of meshnet devices.
  - If multiple devices are selected and not all are of the same type, then query the user to assign all or only of like types.
  - Fixed Browse filter spec.

Toolbox 1.02.20 (4-14-2006)

Modules affected:

- VptComServer.exe (1.02.20)
- CmVptLib32.dll (1.02.20)
- Devices.ini (53)
- Macros.ini (23)
- SMW Program Tree (5.0.0.0)
- Sctipter.ocx (1.0.1.3)
- Network Analyzer (2.0.1.3)
- CmVptGui.dll (1.1.2.0)
- Text Console (2.1.1.1)

Bugs Fixed:

- VptComServer.exe (1.02.20)
  - Removed "Never Mind" menu item form notification icon context menu.

- Devices.ini (53)
  - Added TimeoutReboot to RMCRX and variations to be 45s.

- Macros.ini (23)
  - MacroTPMC10 - Fixed Parsing of IPTables on TPMC-10s

- CmVptLib32.dll (1.02.20)
  - Changed ethernet followreboot to initiate a conneciton immediately. Reconnects over ethernet are done as fast as the device reboots now.
  - In FirmwareName parsing we now trim embedded hex characters that may appear like 0xFA/0xFB/0x01/0x02/0x03/0x04
  - EAfnTSDeviceMaster_ParseDeviceResponse - If TSID did not convert to a proper serial, then the full ID string came back as the serial.

    - Made a SafeXModemCancel which repeatedly sends XModemCancels and CR until we see a prompt then attempts to flush the buffer so we are back to a known state.

- SMW Program Tree (5.0.0.0)
    - Adagio fixes and new verification methods implemented.

- Sctipter.ocx (1.0.1.3)
    - Fixed bug which caused the first line of each section to be executed twice an dthe last line to start but be immediately canceled.

- Network Analyzer (2.0.1.3)
    - Fixed bug in Network analyzer which caused crashes and double analysis on checked devices.

- CmVptGui.dll (1.1.2.0)
    - MeshnetMaster dialog - ignore errors from TSID parse reposnse ability code. If reconnect msgs come in we show tons of errors. We should just ignore.

- Text Console (2.1.1.1)
    - Fixed Sequence Key Dialog Browse open file dialog to show as "Open"

Features Added:

- VptComServer.exe (1.02.20)
    - Added "Mark Problem in Logs..." menu item to server to allow users to tag problems with description and additional info.

Toolbox 1.02.19 (4-06-2006)

Modules affected:

- Devices.ini (52)
- CmvptLib32.dll (1.02.19)
- Network Analyzer (2.0.1.2)
- Network Tree (4.0.4.2)
- Program Tree (4.0.2.2)

Bugs Fixed:

- Documentation
    - Moved script reference off main page. Made main page links

to script ref, ability func ref, and release notes.

- Devices.ini (52)
  - Added added SysErrLog AbilitySupport to CEN-TIA and CEN-IPOD
  - Added C2N-IRGW1G, C2N-IRGW, C2N-IRGWT with basic cresnet and firmware support.
  - Removed Crenet Analyzer support from AES.
  - Added AADS with initial support same as AES.
  - APAD - Added SetupMode, Console, RemoteConsole, and DevReset support.
  - CLF-DIMRF - Added initial support.

- CmvptLib32.dll (1.02.19)
  - Added sending of UPG files to folder for Adagio ProgramSend ability.
  - Fixed directory listing parsing bug in FileSystem group base. Would try to parse the "Directory of" line as a file which if the dir had spaces would actualy work and return a bogus file.
  - USB support - fixed. Reconnect also working better. Broken for 1.02.18.
  - Updated DetectPhysicalDevices call to use S_CMVPT_PHYSICAL_DEVICE_INFO_EX1.
  - AbilityGenericFileXFerPut - post xfer wait for prompt timeout extended to 2 * ReallySlowTimeout. 1.6Mb file to an RMCRX-BA running a pgm was timeing out.
  - AbilityFirmware_ViaSlot - fixed to allow unknown file types and to use post load verification.
  - Firmware for TPS implementation, we now check for BAsicDisplay Support before trying to call it for progress.
  - Changed watchdog timeout for Program Restart to really slow query from slow query. Also added an error if we timeout during the restart progress.
  - Fixed IPTable comparison bug for Control Systems with OOTBF support since we need to compare ~.iptable.dip instead of what IPT reports.

- Network Tree (4.0.4.2)
  - Rolled many calls into initial detection to improve performance and reliability.

- Program Tree (4.0.2.2)
  - Several fixes for Adagio support.

- Instalation

- Delete toolbox_release_notes.html in install folder.
- Added USB driver installation.

Toolbox 1.02.18 (3-16-2006)

Modules affected:

- Devices.ini (51)
- Network Tree Control (4.0.4.2)
- CmVptLib32.dll (1.02.18)
- SC_Lib.dll (1.0.0.5)
- Script Tool (1.0.1.2)
- CmVptGui.dll (1.1.1.9)

Bugs Fixed:

- Devices.ini (51)
  - TPS-12 - fixed ip table format parsing. Was using new format for 1.002 and up instead of the proper 1.002.0008.
  - CEN-IPOD - changed IP Table method to be 45 (based on 2Series).
- Network Tree Control (4.0.4.2)
  - Fixed timeout on Network tree for large systems, especially when used in "Set Ids" in System Builder and D3.
- CmVptLib32.dll
  - Added additional error messages when a deivce cannot be detected over serial if HW handshaking does not match current state of the line.
  - TPMC-10 Display List loads fixed in certain cases. Was causing erractic behavior.
  - Implemented Firmware support for C2N-ANLZ.
  - Fixed bug with Serial Auto-detect. Would fail until a baud rate was specified or Viewport was used after a reboot. Would work correctly after that.
  - Fixed IPTable parsing for IPOD using new method so all entries are master.
- SC_Lib.dll (1.0.0.5)
  - If HW Handshaking is disabled, DTR line is now still enabled (was disabled as was CTS line).
- Script Tool (1.0.1.2)
  - Empty sections would hang a script since they never started or ended.
  - If a device never connected, the script would not timeout

    - If a device never connected, the script would not timeout and fail since it started executing on OnSessionReady event. Now we start immediately after openeing and let things timeout if they need to.
    - Missing pipe on variables would hang in while loop forever.

- CmVptGui.dll (1.1.1.9)
    - Ethernet dialog. Fixed speed to be Mb/sec. Change default non-autoneg speed to 100 instead of 10.

Toolbox 1.02.17 (3-06-2006)

Modules affected:

- CmVptLib32.dll (1.02.17)
- VptComServer.exe (1.02.17)
- Network Analyzer
- Devices.ini (50)
- CmVptGui.dll (update version)
- CmVptGui.dll (1.1.1.8)

Bugs Fixed:

- CmVptLib32.dll (1.02.17)
    - Fixed bug in TPMC/TPMC-10 FW update where it may not find the csz file within the zip if it happens to be the first file in the zip.
    - FirmwareUpdate for TPMC - changed timeout for waiting for rebooting message to 3min from 90s to accomodate larger updates.

- VptComServer.exe (1.02.17)
    - Race condition fixed. Exhibited by System Info. If the first server session was opened as indirect and a transaction was started right away, indirect sessions would be processed incorrcetly as using the direct worker session.

- Network Analyzer
    - Anlysis fixed. pre-alpha anlysis accidentally included.

- Devices.ini (50)
    - CEN-IPOD
        - Added CEN-iPod as an alternate name for the CEN-IPOD since we are case sensitive.
        - Change IPTable parsing to be same as 2Series to match latest FW.
    - Corrected: C2I-MP2-VID4x2 and C2I-MP2-AUD7x1

- CmVptGui.dll (1.1.1.8)
    - Set Password char for password query dialog.

Toolbox 1.02.16 (3-01-2006)

Modules affected:

- Devices.ini (49)
- File Manager 1.0.0.4
- CmVptLib32.dll (1.02.16)
- CmCoolCtrls.dll (1.0.0.2)
- SC_Lib.dll (1.0.0.4)

Bugs Fixed:

- Devices.ini (49)
    - Added IM-RXV1 and IM-RXV3. Same support as IM-RX1/3
    - Added CEN-TIA initial support.
    - Corrected CEN-IPOD name to match latest FW.
    - Added APAD initial support. Firmware, Display Project, cresnet ID, TSID, and console support functional.
    - Added AES initial support.
    - Added C2I-ADG-FPANEL initial support.
    - Added C2I-ADG-AUDIO initial support.
    - Added ATC-AMFMXM initial support.
    - Added ATC-AMFM2 initial support.
    - QM7x2/5x1 changed Vol channels from "Input X" to "AUD IN X" to match HW labels.

- File Manager 1.0.0.4
    - If password was requested, would get "No File System Peesent". Changed order so windows only init'd after it is verified there is a device there.
    - Added AM/PM to time in file list since the hour is 12 hour format.

- CmVptLib32.dll (1.02.16)
    - Added EAfnGenericFileXfer_PutBatchTo and EAfnGenericFileXfer_GetBatchFrom abilities to xfer batches of files.
    - Enabled EthernetConnectivity group for iPodSpecialiation for rcon and pass to as specified in methods table. This was done to be able to use this for the CEN-TIA also.
    - Changed Ethenet Connectivity for iPod Specialization to match FW 1.000.0002
    - Fixed bug in file listing parsing which incorrectly converted

to four digit year from two. May cause incorrect times to be reported.
    - Fixed bug in verifying changed cresnet IDs. If the first check fails, we check again, however, the errors from the first check remain on the error stack and caused the network tree to report errors. Now we clear the error stack if the second check passes.
    - Fixed bug in NVRAMDISK code which did not clear the GetNVRAMDisk result after setting a new value.
    - XMReceiver group modified to work in general by calling ProductGetIdentificationString. Then mapped via slot method to it for the ATC-AMFMXM.
    - Removed huge overhead in RemoteConsole text processing which was cauing timeouts in getting responses such as audio stuff and meshnet gateway.
    - Added min Toolbox version required for a device when detecting it's info in EAfnTIOFile_GetPRoductInfo.
    - Added min Toolbox version checking in SubNetworkDetectPhysicalDevices such that the errors come back to the tree and are shown.

- CmCoolCtrls.dll (1.0.0.2)
    - Fixed bug where some of the dialog text would be clipped if using Large Fonts within Windows.

- SC_Lib.dll (1.0.0.4)
    - Fixed bug where HW flow control settings could be lost if the cable was not connected. Library overrode settings but never set them back until the port was re-opened.

Toolbox 1.02.15 (2-08-2006)

Modules affected:

- CmVptLib32.dll (1.02.15)
- CmVptGui.dll (1.1.1.7)
- Devices.ini (48)
- Scripter Tool (1.0.1.1)
- Text Console (2.1.1.0)

Bugs Fixed:

- CmVptGui.dll (1.1.1.7)
    - Serial Comm dialog - removed error and disabled local echo box if not supported.
    - Made Task dialog larger allowing for more text without clipping

clipping.

- Devices.ini (48)
  - Fixed ST-1550C support. Device reports as ST1550C and was incorrectly added as alternate for ST-1500C.
  - Set proper max project size for TPSB/TPSG panels.
  - CEN-IPOD - changed ethernet method support to CEN-IPOD method.
  - Added ST-1700CIR, same as ST-1700C.
  - Added AAS-1, AAS-2, and AAS-4 with Device category only.

- CmVptLib32.dll (1.02.15)
  - ComSpecParser - fixed to be more forgiving with spaces in between direct / indirect com specs.. "tcp 192.168.121.165 : cresnet 13" will now work.
  - Fixed SSL communications. Problems connecting and failed handshakes.
  - Re-instated and fixed max project size checking for TPSB method of DisplayList group. Also check for CF and if present uses second max project size if available. Allows for expanded project size if CF is present.
  - Added query type EVptQueryType_SizeLimitExceeded -> "QuerySizeLimitExceeded"
  - Fixed CEN-IPOD ethernet settings
    - Created new method for Ethernet Group.
    - Relaxed parsing for EthernetDHPC group for TPMC method.
  - TPMC method for Firmware group - Added supplemental reboot message indicating the process will take along and not to cut power or reboot the device.

- Scripter Tool (1.0.1.1)
  - Load default address book in initial insert address dialog so through selection is populated.
  - Save Last loaded script filename in registry and use as default path if no current file is loaded.

- Text Console (2.1.1.0)
  - Fixed crash when copying large amounts of data to clipboard.
  - Fixed bug causing timestamps to always appear in saved logs in text files.
  - Added "logging" status to window caption when logging using quickname.

Toolbox 1.02.14 (1-26-2006)

Modules affected:

- Devices.ini (46)
- CmVptLib32.dll (1.02.14)

Bugs Fixed:

- CmVptLib32.dll (1.02.14)
  - DisplayList for TPSG - Fixed bug where if only manifest file was missing, it would not be sent reporting "No files need to be updated".
  - Signal Debugging code, extended initial timeout to Slow Query from FAst Query.
  - CompactFlashGetUsage for 2Series - As a result of free command timeout on TPSG panels with 4GB CF changed timeout to 15s from 5s. Shown to take just over 5s.
  - Added EAmMeshnetGW method and an implementation for ResetReboot. Derived from Cresnet method so follow reboot sitll polls cresnet as it should, but the reboot command watches the progress "15..14.." etc... until it is done.
  - Relaxed parsing for EthernetGetPorts to work for CEN-IPOD.
- Devices.ini (46)
  - Fixed entry for ST-IO to correct parsing.
  - Added many Plug-in control cards.
  - QM-AE
    - Change parametric audio command to "filter" from "filter |devid|" since that does not work properly in FW.
    - Extended fast query timeout to 4s so the filter command above will not timeout.
  - CEN-IPOD - Added DHCP support.

Toolbox 1.02.13 (1-20-2006)

Modules affected:

- Devices.ini (45)
- CmVptLib32.dll (1.02.13)
- VptComServer.exe (1.02.13)

Bugs Fixed:

- CmVptLib32.dll (1.02.13)
  - Fixed crash in TPSB/G display list loads if there was no manifest file or core compoentns were not selected to load.
  - Added SPZ component for Roomview Info files (*.rvi) and

made then be sent to the SIMPL path on the device if found.
    - ComChannel.cpp : SendCommandWaitString/Token - If these failed due to timeout, the buffer was not being returned as read. Now even if we fail we return whatever the device returned back. This was causing Real-time mode failures in System Builder.
- VptComServer.exe (1.02.13)
    - Fixed CR/LF in debug files to be Notepad friendly.

Toolbox 1.02.12 (1-13-2006)

Modules affected:

- CmVptLib32.dll (1.02.12)
- Toolbox.exe (1.0.2.0)
- CmVptGUI.dll (1.1.1.6)
- Devices.ini (41)
- Scripter Tool (1.0.1.0)
- Test Pattern Tool (1.0.0.5)
- Program Tree (4.0.2.0)
- Network Device Tree (4.0.4.0)

Bugs Fixed:

- CmVptLib32.dll (1.02.12)
    - Fixed old TPMC10 Version 1 method for firmware to handle zips if given.
    - Fixed crash using rcon console and hitting backspace too much. #6644
    - Fixed TPSB display list load problem. If CF already had the latest manifest, it would not be sent to internal even if there was no manifest there. Panel would reboot and erase internal, trying to copy the now incomplete project from CF.
    - Changed TPSB/G Display list load process to always delete manifest from internal and CF before starting transfers. Then always send the manifest as the last file to both internal and CF to ensure it is always updated.
    - Fixed bug in exiting passto mode when connected serially where prompts could get out of order.
- Toolbox.exe (1.0.2.0)
    - Added a warning when the address book is automatically updated.
- CmVptGUI.dll (1.1.1.6)
    - VptGUIShowHelp now appends given filename to Toolbox install folder.

    - Web Page dialog
        - Added "Set User Password..." button.
        - Added tooltips to help explain what the options are for.
        - Relabled buttons which were "..."

- Devices.ini (41)
    - Fixes for QM devices in preparation for QM Audio Config Tool
    - Initial CEN-iPod support.
    - Fixed PNG support for UPX 1GB and MSO builds by forcing always supported.
- Scripter Tool (1.0.1.0)
    - Fixed Query handling via keys in script file. Broken virtual override.
- Test Pattern Tool (1.0.0.5)
    - Default test pattern changed to color bars.
- Program Tree (4.0.2.0)
    - Bugs fixes and re-structuring.
- Network Device Tree (4.0.4.0)
    - Bugs fixes and re-structuring.

Toolbox 1.02.11 (12-19-2005)

Modules affected:

- Devices.ini (40)
- CmVptLib32.dll (1.02.11)
- CmVptGUI.dll (1.1.1.5)
- Script Tool (1.0.0.9)
- Meshnet Diagnostic Tool (2.2.2.1)

Bugs Fixed:

- CmVptLib32.dll
    - Was attempting to get device model info even if device type was specified. Fixed.
    - FirmwareUpdate for TPMC method - added handling of zips with info ini file.
    - Made Serial to TSID conversion case insensive. Conversion would ignore all lower case characters and result in an incorrect conversion.
    - FileSystemDeleteTree - Was blindly deleting all files under the path specified even if it didn't exist which casued some devices (TPMC-10) to report an error and thus kick out of transfers.
    - TPMC-10
        - Display list

        - make sure display list directory exists before sending files
        - For new method, if there is insufficient space for vtz and it's contents to co-exist, then we must send individual files regardless of how long it will take.
        - Fixed bug in completeing sending individual files if chosen for new method.
        - Added additional task progress events for better feedback including progress for deleting individual files.
        - Even if sending whole package we now properly check for proper panel type and support.
        - Now estimate which is faster given all factors and decide on that rather than just file count.
    - Firmware
        - Removed query at the end directing the user to reboot the panel. Could cause problems in certain clients not expecting a query.
        - Added ~info.ini support (but without post processing)
        - Added additional task message for better user feedback.
  - Changed cresnet load start checking for XModem. We now must see four consecutive "C"s without any other text between. If we see anything else, we reset our count to 0. We also flush recieve between each check, so it also wants to see nothing until a space is sent, triggering another "C"
  - COMPACT command for 2-Series method now will work if there is no progress ever given like in the case where nothing needs to be done.
  - Added Preset capability to AudioVolume ability group
  - Fixed Preset capability in AudioMixer ability group.
  - Changed AudioGraphicEQGetBandInfo to use doubles and also to return the channel ID in the first parameter.
- CmVptGui.dll (1.1.1.4)
  - Three stage file MRU for firmware loading. Master -> Category -> Model. Bug #5591
  - Display list dialog "Send Modified only" could get unchecked when it is not supported instead of just disabled.
- Script Tool (1.0.0.9)
  - Added new key per section: RunAsSingleTransaction. This starts a transaction to allow all deferred reboots to hold off until the end amongst other optimizations. See reference

docs for full details.
- Meshnet Diagnostic Tool (2.2.2.1)
  - Better eror messages on initial connection if fails for various reasons.

Toolbox 1.02.10 (11-30-2005)

Important Notes

This install replaces the old text console with a new much better tool. Workspaces saved with the old text console will be loaded without any text console windows. You will have to open new text console windows and re-save the workspace one time to convert these workspaces to use the new text console.

Modules affected:

- CmVptLib32.dll (1.02.10)
- CmVptGui.dll (1.1.1.4)

Bugs Fixed:

- CmVptLib32.dll
  - Fixed unbounded recursion in Reconnect Delay determination. This caused crash / disappearance of Server.
- CmVptGui.dll (1.1.1.4)
  - Fixed browse to file type list termination for IP Table dialog.
  - FirmwareDialog - View ReleaseNotes did not always show the correct file.

Toolbox 1.02.09 (11-29-2005) since Toolbox 1.02.07

Important Notes

This install replaces the old text console with a new much better tool. Workspaces saved with the old text console will be loaded without any text console windows. You will have to open new text console windows and re-save the workspace one time to convert these workspaces to use the new text console.

Modules affected:

- Toolbox.exe (1.0.1.9)
- Devices.ini (38)
- CmVptLib32.dll (1.02.09)
- VptComServer.exe (1.02.09)
- CmVptGui.dll (1.1.1.3)
- Program Tree Control (4.0.1.8)

Bugs Fixed:

- Devices.ini (38)
  - Added reconnect delay timeouts for touch panels.
- CmVptLib32.dll
  - DisplayListSend - Fixed bug which filed to give "File not found" error when the file was missing. Resulted in "No file need updating" message.
  - Fixed bug which if could not connect to tcp connetcion and a text console was open, it would stick for a long time waiting for a connection, locked in a transaction.
  - FirmwareUpdate for EAmTPSCommand method
    - Added code to check for device reported errors such as "Firmware not intended for..."
    - Added code to do additional zip file checking.
  - ComChannelTCP - Added optional delay based on data file "TimeoutReconnectDelay" key.
  - Changed timeout for "cards" command to slow query to avoid timeouts.
  - FirmwareUpdate for MT-1000 - added zip file handling and ~info.ini checking.
- VptComServer.exe
  - Added OS version info to Full Install Info
  - Added Debug settings to saved logs.
- CmVptGui.dll (1.1.1.3)
  - ProgramSend / Erase dialogs - Corrected saved Internal vs. CF selection.
- Toolbox.exe (1.0.1.9)
  - Fixed Main Menu -> Help to launch with no parent window. #5901
- Program Tree Control (4.0.1.8)
  - Fixed crash noted in System Builder.

Toolbox 1.02.07 (11-22-2005)

Important Notes

This install replaces the old text console with a new much better tool. Workspaces saved with the old text console will be loaded without any text console windows. You will have to open new text console windows and re-save the workspace once to convert these workspaces to use the new text console.

Modules affected:

- Toolbox.exe (1.0.1.8)
- Network Analyzer (2.0.1.1)
- Text Console (2.1.0.9)
- CmVptGui.dll (1.1.1.2)

- CmVptGui.dll (1.1.1.2)
- VptComServer (1.02.07)

Bugs Fixed:

- Server
    - Fixed another deadlock situation which would never timeout.
    - Fixed bug which did not allow sending of NULLs as embedded in text.
- Context Dialogs
    - Added some shortcut keys.
- Text Console
    - Fixed sequence key mappings which did not translate "\\" correctly or allow "\x00".
    - Remove double icon on installation where applicable.
- Network Analyzer
    - Added Context menu to device ID list to make selections more accessable and apparent.
- Toolbox.exe
    - Added Tooltips to frame footer for address.

Toolbox 1.02.06 (11-21-2005)

Important Notes

This install replaces the old text console with a new much better tool. Workspaces saved with the old text console will be loaded without any text console windows. You will have to open new text console windows and re-save the workspace once to convert these workspaces to use the new text console.

Modules affected:

- VptComServer.exe (1.02.06)
- CmVptLib32.dll (1.02.06)
- CmVptGUI.dll (1.1.1.1)
- Toolbox.exe (1.0.1.7)
- File Manager (1.0.0.3)
- Text Console (2.1.0.8)
- System Info (2.0.1.1)
- Network Analyzer (2.0.1.0)
- Meshnet Diagnostics Tool (2.2.2.0)
- Network Device Tree (4.0.3.3)
- Program Tree (4.0.1.7)
- Devices.ini (37)
- Macros.ini (22)
- Help File

- Help File

Features added:

- Server
  - Added Right click to server icon directly so you don't have to bring up the dialog.
  - Added "Other Crestron SW" to Full Install info so it is put in the logs/about dialogs.
- Toolbox.exe
  - Added Tile Horizonatlly and Vertically to Window menu.
- System Info
  - If no program loaded... show 'No program loaded'.
- Network Device Tree
  - Show loaded project name on root node.
  - Give functions menu for top node.

Bugs Fixed:

- Server
  - Fixed internal deadlock which caused, mem leaks, 10s lag on switching connections and server hanging around after all apps closed.
  - In all OpenSessionXXX derivitives, call CloseSession if there is currently an open session. This allows a client to successfully call OpenSession multiple times w/o Closing.
  - Added new Rackname chacking in VTZ files.
  - DisplayList for TPSB series panels causing failures.
    - Fixed bug which would cause failure if filename in display list contained a "comma".
    - If manifest had to be sent to CF, was incorrectly flagged to TX to internal but was not deleted first.
  - Removed error messages for duplicates devices at ID 0x01 for DetectPhysicalDevices.
- Context Dialogs
  - If release notes file is not found in the zip, show a message box stating such.
  - Meshnet Dialog
    - If Channel 11 is current, would not be selected in drop down.
    - If no devices were acquired, dialog always reported "searching".
  - IP Table dialog, incorrectly had Load From Device designated as a button that will cause a reboot.
  - Compact Flash now checks to see if auto-run is supported before querying for it. Disable check box if not supported.
- File Manager Tool

- File Manager Tool
  - Fixed crash on startup.
- Text Console
  - Fixed 'other char' and 'high char' rule matching bugs. Would never match either.
  - Fixed Alt-K for sending a break.
  - Fixed bug which would not let you type while the text info window was open.
  - Fixed "Make THIS my default". Did not work.
- Network Analyzer
  - Fixed bug canceling pending items. Could possibly get in a state where it would start each and cancel immediately resulting in a whole bunch of analyze requests sent w/o waiting for a prompt.
- InfiNet Diagnostics Tool
  - Fixed bugs related to tool not functioning.
- Network Device Tree
  - Fixed some bugs in heirarchy view display and formatting of node text.
  - Fixed help buttons on setup and identify dialogs.
  - Fixed some status indicators when verifying against Program Tree.
- Program Tree
  - Upload session not always rememebered fixed.
  - Better status on Upload dialog after changing the address.
  - Tree now has a folder icon.
  - Device Nodes now display Name filed from tio file in preference to short firmware name.
  - Icon legend added to help file on main page.
  - Fixed some status indicators when verifying against Program Tree.
- Data files
  - Added missing CslaveCP2E.
  - Updated TPS-4 Variations and TPSG for true PNG support.
  - Corrected Firmware Filespecs for infiNet devices.
  - Corrected Support for Compact Flash for TPSB macro.
- Help file updated.

Toolbox 1.02.05 (11-02-2005)

Important Notes

This install replaces the old text console with a new much better tool. Workspaces saved with the old text console will be loaded without any text console windows. You will have to open new text console windows and re-save the workspace once to convert these workspaces to use the new text console.

Modules affected:

- Devices.ini (36)
- Macros.ini (21)
- CmVptGui.dll (1.1.1.0)
- VptAddressBook.dll (1.0.0.8)
- CmVtpLib32.dll (1.02.05)
- Script Tool (1.0.0.8)
- Text Console (2.1.0.6)
- File Manager (1.0.0.2)
- Network Analyzer (2.0.0.9)
- System Info (2.0.1.0)
- Network Tree Control (4.0.2.9)
- SMW Program Tree (4.0.1.4)

Features added:

- SMW Program Tree
  - You can now set a project path for the tree. It will look in this path for all touch panel projects without the need to browse individually for each.
- Network Analyzer
  - Added a Cancel All Pending button to cancel batch analysis. Unchecking an item does this too.
  - Added "Select IDs based on currently loaded program. No SMW required. Info is from control system.
- Text Console
  - Added "Normal (Local Echo)" default scheme.
- Script Tool
  - Added "ConcurrentSectionLimit" key to header to limit number of sections to run concurrently. Set to 1 to garauntee execution order.
  - Added change notificaiton and auto-reload when the loaded script file changes.
- Address Book Dialog
  - Added "Import from Viewport Address book" option.
- Ethernet Addressing dialog - Added HTTP port config.

Bugs Fixed:

- SMW Program Tree - fixed placement of CLW-DIMS4RF in the tree.
- Network Tree
  - Show better message when done detecting devices.
  - Fixed false positive result when loading scheuler file in System Builder.
- System Info

- System Info
  - After changing cresnet ID, refresh and context dialogs would not work until the tool was re-loaded.
- File Manager
  - Fixed file sorting on column click.
  - Fixed issue when opening it when the previous window is maximized.
  - Fixed missing icon when item is selected.
  - Added extra checking so if the port can't be opened, the correct message is given.
- Text Console
  - Added an additional call after OpenSession to show any errors such as COM port usage.
- Script Tool
  - Fixed <CR> <LF> issues and matching with other editors such as notepad.
- Standard UI dialogs (context, error, task)
  - Fixed get supported abilities timeout value. Was 1s which caused it to timeout sometimes resulting in disabled "Upadate Firmware" button among other things. Now uses "GetTimeoutValue" call defualts to 5s.
  - Firmware dialog - after selecting a new item from the drop-down, it was not moved to the top of the list.
  - In Task dialog, once Cancel is clicked, change text to "Canceling..." and disable to ensure that we can clean up whatever we can.
  - CVptQuery class now looks at the default button type and sets it appropriately.
  - Ethernet dialog - Fixed when initialized with auto-negotiate enabled, duplex and speed not greyed out.
  - Firmware Dialog - Fixed bug which caused info fields to not update.
  - Context menu is now alpha sorted given like priorities.
  - Standard error dialog - If only one single error, disable "More Info..." button.
  - Program Dialog, made Stop and Restart call asynchronous to provide better user feedback.
- Server
  - Made generic file transfers to more robust by watching for "XMODEM" then 'C'. Same for crenset master devices when uploading to slaves.
  - Made cresnet master to slave uploads more robust by waiting for "XMODEM" then "C" for 2-series method, or just multiple "C"s for console method (iLux). Also enforce waiting and XmodemCancel if something fails or is canceled earlv.

- Fixed bug in ability group detection and mapping cache. Was not updating with new ability group class it so detected. Also led to memory leaks which are now fixed too.
- Added default button to QueryType table. Set more appropriate defaults for all queries, and fixed 2 spelling errors.
- When building ability support map, also load timeouts at that point so they are loaded for whenever we need them. Not doing this was causing a request after sending firmware for FollowReboot but the device is not there at that point.
- Force 128 byte CRC X-Modem packets when uploading to mnet gateway for mnet dimmers.
- Added error checking in CheckAbilitySupport call so if not actually connected to a device, an error is given rather than just that it does not support the abilities requested.
- Added error checking in ProductVerifyPResence so an error is returned if the communication cannot even be setup. Updated docs to reflect this.
- Changed Subnetwork detection task text from "Detecting problems" to "Checking Device IDs"
- Added work around method for TSTATs Firmware. Ref online Answer ID 3277. This workaround is done automatically and transparently.
- Added check in TPS/TPB ProjectSend implementaiton for PNG support. If file / panel don't match, query user before continueing.
- TPMC FirmwareUpdate - Extended timeout waiting for "Rebooting" message.
- IPTable for TPMC
  - Table parsing was incorrect.
  - Confirmation after adding/removing entires was reporting an error incorrectly.
  - Removed deferred reboot since a reboot is not required.
- Added SetupMode implementation for TPMCVersion2 method to use "loaddisplay" to exit setup mode so it doesn't reboot.

Toolbox 1.02.04 (10-26-2005)

Important Notes

This install replaces the old text console with a new much better tool. Workspaces saved with the old text console will be loaded without any text console windows. You will have to open new text console windows and re-save the workspace once to convert these

workspaces to use the new text console.

Modules affected:

- Devices.ini (35)
- CmVptGui.dll (1.1.0.9)
- CmVptLib32.dll (1.02.04)
- VptComServer (1.02.04)
- Test Pattern Tool (1.0.0.4)
- Text Console (2.1.0.5)
- Network Analyzer (2.0.0.8)
- Script Tool (1.0.0.7)
- System Info (2.0.0.9)
- SMW Program Tree (4.0.1.2)
- Network Tree (4.0.2.8)
- Help File

Bugs Fixed:

- Script Tool
  - When an item is canceled show cnaceled instead of failure.
  - Fixed bug which cause garbage at the end of the drop down in the browse dialogs.
- Network Analyzer - Fixed bug which cause garbage at the end of the drop down in the browse dialogs.
- Text Console
  - Fixed bug which cause garbage at the end of the drop down in the browse dialogs.
  - Added "Select Folder..." button for logging and save that folder in the profile (workspace or deafults).
  - Clicking off Command History Dialog cancels it.
- Test Pattern Tool - Fixed F1 Help link.
- Context dialogs
  - Fixed some dialog text on the e-Control 2 activation dialog.
  - Re-arranged buttons on IP Table dialog to be more logical. Added "will reboot" notes.
  - Program - Erase dialog, swapped position of Internal and compact flash radio buttons to be same as main dialog.
  - Meshent Master dialog, sort items when header clicked.
- SMW Program Tree
  - Fixed major memory / resource leaks.
  - When right clicking an item, leave selected item highlighted.
  - Fixed bug in Uplaod dialog which left the upload button disabled.
  - reliablity fixes for keeping status up to date between trees

when linked.
    - ensure refresh when linked.
- Network Tree
    - Fixed major memory / resource leaks.
    - reliablity fixes for keeping status up to date between trees when linked.
    - fixed bug on individual TSID process which could fail previously.
    - Handle events to update FW verion and TSID/Serial number when they change.
    - Added progress dialog when starting and stopping the program for TSID setup.
- Corrected all firmware filespecs to match zips on FTP server.
- Corrected TPSB/TPSG panel IP Table handling. Data file and new implementation.
- Corrected Loader detection for C2N-TTVFM
- Embelished some error messages
    - Added additional text to Web Project config file not found error. "Project does not contain a config file and one cannot be created because no default file was specified. Make sure you've selected a folder containing a valid compiled VT-ProE web project."
    - Made VPTRES_COULD_NOT_IDENTIFY_DEVICE error's description easier to understand.
- SystemErrorLogGet - fixed bug which would only get up to the first ">" character so if that was in an error message, the whole log would not be retrieved.
- Bug in low-level "ReadUntilNoDataTimeout" function which garbled data by not clearing the buffer between each channel RX call.
- Fixed bug with sending large programs using defaults for components parameter due to not properly defaulting to all components in one portion of code. Would result in "Not enough internal flash memory" error since it was not considering that it would delete the current program.
- Made TSDevice for TPSCommand method more genric. It works with responses such as "Touch Settable ID: " and "TSID ".
- Made Method detection for TSDevice use TPSCommand method when connected directly and a TSID is detected in the ID string.
- Added capability to search for multiple strings for Bootloader state in FirmwareLoaderGetRunningState ability.
- Added information update events for firmware and tsid/serial.
- For Touch Settable setup, removed all artificial delays in code. Also changed parsing to catch all presses even if they come while we are still getting things into light and poll mode.
- Fixed Ethernet IP Address, Mask and Default router parsing when the ethernet card is disabled since it is different

the ethernet card is disabled since it is different.
- For Ethernet link status abilities - if ethernet is disabled, these fields are not reported so default to no link and 100 full for all ports.
- For E-Control 2 activation code, if ethernet card is not enabled it was failing the parse. We now detect this and report a Hardware

  Not Available error which is more appropriate.
- Fixed bug in File decompression code which could result in a file being deleted on vector re-allocation and since we think it is still extracted we do not re-extract and it's gone. Added extra check to make sure if we think it was extracted, that the file is actually there. Resulted in "file could not be found" error when sending a program with 7+ files.
- DisplayList for TPSB, TPMC, and TPMCV2 methods - Changed to disallow loading of projects whose compiled panel type does not match the panel.
- Cache TBINFO response in ReportAbilities class to it's not quried more than once.
- Changed device detecion when the ability support map is built to allow versioned overrides from data file.
    - Map is built once to allow version parsing. Then Report Abilities is called again which then sees that there exists a support map which means it can query for the device's version. Using the version the support is retrieved again and the map is rebuilt if all is ok.
- Added TPSB method for EthernetIPTable which uses basic 2-Series parsing but forces all master entries.
- Fixed bug in ActivateThroughParent which added errors regardless of m_bEnableAdditions flag.
- Fixed bug with DevReset which added an error each time the device could not be found which is normal during reboot.

Features added:

- System Info Tool - BAsic Information update when FW or TSID/Serial # changes.
- Script Tool - Added Cancel Remaining feature.
- Added "Compact NVRAM Disk" button to NVRAM Disk dialog. Also un-hid reclaimable space and added tooltips to buttons.
- For loading firmware, if the file specified doesn't match the spec, AND nothing within it could be found matching a spec, then ask the user if they want to load it as is. Uses new QueryAllowUnknownFileTypeLoad.
- **New Abilities**
    - Added NVRAMDiskCompact ability to reclaim space on the NVRAMDisk. See ability_functions_NVRAMDiskCompact

    - Added FileXFerPutTo and FileXferGetFrom abilities to replace Get and Put. These two take a StorageLocation parameter to be more device independent. See ability_functions_FileXferPutTo and ability_functions_FileXferGetFrom.
- **New Query Type** - added EVptQueryType_AllowUnknownFileTypeLoad query type "QueryAllowUnknownFileTypeLoad".

Toolbox 1.02.03 (10-14-2005)

Important Notes

This install replaces the old text console with a new much better tool. Workspaces saved with the old text console will be loaded without any text console windows. You will have to open new text console windows and re-save the workspace once to convert these workspaces to use the new text console.

Modules affected:

- Devices.ini(34)
- Toolbox.exe (1.0.1.6)
- CmVptGui.dll (1.1.0.8)
- SC_Lib.dll (1.0.0.3)
- VptComServer(1.02.03)
- CmVptLib32.dll (1.02.03)
- Text Console (2.1.0.4)
- Scripter (1.0.0.6)
- Test Pattern Tool (1.0.0.3)
- Help File

Bugs Fixed:

- Help File Updated for New Text Console and Meshnet Diagnostics Tool.
- Test Pattern Tool
    - Vertical Lines Test was too fine. Corrected to be 1 on 3 off.
- Text Console
    - Fixed bug with keysets where they may not get defaulted correctly when upgrading from older TB versions.
    - Made several optimizations in the logic to keep lag down.
- MeshnetMasterGetAcquireMode - fixed possible flakiness in parsing which could return incorrect results.
- Fixed bug in TSDeviceMasterReportTSDevices ability which could leave a prompt in the incoming buffers which would foul up additional commands.
- Added a 2SeriesCommandViaCresnetPassteMethod for

- Added a 2SeriesCommandViaCresnetPassToMethod for EtherIPTable to support the QM-FTCC-TPS_TPS-4.
- Fixed FirmwareUpdate for TPS command method. Now we wait for "ebooting." before call follow reboot. This ensures we eat anything coming back before trying to identify with the device is again.
- Fixed some bugs in server transaction ID tracking.

- Changed low-level serial port read timeoutes to read more data at a time. This fixes buffer overrun problems with large amounts of fast data.
- Toolbox Framework - If footer is hidden (as in the Script tool), do not append address to window title, still append whatever the client passed in if anything.
- Added QM-FTCC-TPS4 as an alternate name sinc ethis is what is put in the VTZ.
- Added QM-FTCC-TPS_QM-FTCC as an alternate name for the QM-FTCC so it will be categorized correctly and have the correct abilities.

Features added:

- Firmware Context Dialog
  - Made to look more like the program load dialog where the filename is shown with separate browse and send buttons.
  - Show Target device, version, and release notes if ~info.ini is found in firmware package selected.
  - Added button to view release note which loads the release notes file specified in the ~info.ini file.
- Text Console
  - Added (F1) help for style editor and log dialogs.
  - When viewing a loaded log, show filename in window title.
- Script Tool
  - Added filename of loaded script to window title.
- Most FirmwareUpdate methods now check and validate against ~info.ini file in the firmware package.
- Added FileFirmwareGetInfo ability to get target, version, and release notes filename from zip packages from Crestron's web site.
- Added FirmwareUpdateConditionally which updates only if the version is greate, or if specified lower. Never updates if the same.

Toolbox 1.02.02 (10-11-2005)

Important Notes

This install replaces the old text console with a new much better tool. Workspaces saved with the old text console will be loaded without any text console windows. You will have to open new text console windows and re-save the workspace once to convert these

workspaces to use the new text console.

Modules affected:

- Toolbox.exe (1.0.1.5)
- Text Console (2.1.0.3)

- Meshet Diagnostics (2.2.0.0)
- SMW Program Tree (4.0.0.7)
- CmVptGUI.dll (1.1.0.7)
- CmVptLib32.dll (1.02.02)
- Devices.ini (33)

Bugs Fixed:

- Meshent slaves - increased reboot timeout to 90s.
- Changed Ethernet IP Table method for TPS-4 series devices to be like control system.
- Increased reboot timeout for TPS-4 devices to 15s.
- Optimized verification in PRogram Tree to be MUCH quicker.
- Changed all timeouts in Program Tree to infinite.
- Text Console
    - Fixed bug which cased incoming/outgoing nulls in the data stream to not be shown.
    - Fixed moving LFs. When re-sizing windows would eat some! Use CR for
      and ignore LFs
    - Fixed corruption and missing data when switching styles and loading log files.
    - Fixed default sequence keys were if "edit" was not selected the defaults would not be active. Force to an initial file in this case.
    - Fixed bug which "Make THIS my default" would be done when a workspace was saved.
    - Fixed bug where CTRL+F1,CTRL+F4,CTRL+F6 did not work.
- Fixed Tooltips for Save/Open/Close Workspace
- Changed File->Close to File->Close Workspace and made it work like that.
- Fixed Bug - For TPSB display lists, was not verifying panel type.
- Fixed bug - Was loosing "LOADER" state in version report.
- Fixed bug which was causing memory leaks (300+ MB) and calls to not return.
- Fixed bug in Cresnet device reporting which would re-query for specific IDs if they were not found in the cached report.
- Fixed bug in server which truncated incoming/outgoing data at the first null.
- Fixed references to old text console in various tools/menus.

Fixed references to old text console in various tools/menus.

Features added:

- Added EAfnMeshnetMaster_GetAcquireState (MeshnetMasterGetAcquireState) ability REQ GW FW 1.10.14+
- Added EAfnMeshnetMaster_ResumeAcquireMode (MeshnetMasterResumeAcquireMode) ability.
- Meshnet Diagnostics
  - Save/Load data of Cumulative and History views, to and from files
  - Browse, Zoom in/out of data in History view.
- Meshnet Acquire Dialog - Now detects current state of gateway and automatically resumes acquire mode with message to user.

Toolbox 1.02.01 (10-04-2005)

Important Notes

This install replaces the old text console with a new much better tool. Workspaces saved with the old text console will be loaded without any text console windows. You will have to open new text console windows and re-save the workspace once to convert these workspaces to use the new text console.

Modules affected:

- Text Console (2.1.0.2)
- Network Analyzer (2.0.0.7)
- Network Device Tree (4.0.2.4)
- SMW Program Tree (4.0.0.3)
- Toolbox.exe (1.0.1.4)
- CmVptGUI.dll (1.02.01)
- CmVptLib32.dll (1.02.01)
- VptAddressBook.dll (1.0.0.7)
- Devices.ini (32)

Bugs Fixed:

- Meshnet Gateway Dialog - Force exit of acquire mode when exiting dialog.
- Fixed crash in Device Info Context dialog.
- Network Analyzer - Fixed main F1 help link.
- Toolbox Main Application
  - Set default Hot Key for Identify Transmitter to ALT-R to match Viewport.
  - Fixed help link in File->Preferences Dialog.
  - Removed irrelevent Print items from File Menu.
  - Fixed errors and omissions in Toolbox Quick Function Ap...

    - Fixed wrong descriptions in Tools->Quick Function Access dialog.
- Fixed crash when detecting C2N-TTVFM and other devices especially devices in Loader.
- Fixed Cancel Mechanism for Auto-Baud Detect.
- Fixed data file key for C2N-VEQ4 which cause System Builder to not allow it to be touch set.
- Fixed default address book file on clean installs to referenced "DefaultAddressBook.adr" was Using MyAddressBook.adr
- Text Console
    - Corrected some text and descriptions of various items.
    - Fixed crash on Text Console Menu highlight.
    - Hide text info window when SHIFT is released to give focus back to the console.
    - Changed name back to Text Console.
    - Fixed general Cancel mechanism. For Transfers and tasks.
    - Fixed main help link. Also sequence key setup help link.
    - If no keyset files are available to be listed on the Select Keyset menu, show "No files found"
- SMW Program Tree Bugfix for for showing location in node.
- NetTree - Bugfix for Setup when program is already stopped.

Features added:

- Added "meshnet" as an indirect type in the address book dialogs.
- Added TSID to Serial Conversion dialog to functions menu on devices supporting TSIDs
- Text Console
    - If a selection is made, the text info shows a Delta time for the data selected.
    - Added a short field to name each sequence key if so desired.

Toolbox 1.02.00 (9-30-2005)

Changes since last version (1.01.12)

Important Notes

This install replaces the old text console with a new much better tool. Workspaces saved with the old text console will be loaded without any text console windows. You will have to open new text console windows and re-save the workspace once to convert these workspaces to use the new text console.

Modules affected:

- Network Tree Control (4.0.2.3)
- CnVxUtil32.dll (1.01.12)

- CmVptLib32.dll (1.01.13)
- VptComServer.exe (1.01.13)
- Toolbox.exe (1.0.1.3)
- File Manager (1.0.0.1)
- Network Analyzer (2.0.0.6)
- Devices.ini (30)

Bugs Fixed:

- Corrected TPSG firmware file specs.
- Devices running in thier "loader" or "monitor" are now noted with a "(Loader)" appended to the device version in all GUIs.
- Fixed bug regarding Cancel which was broken in the last several versions.
- Fixed potential crash in server which also cause occasional garbage in the text console.
- Fixed bug which cause Clear Cresnet ID operations to fail.
- Fixed bugs in the FollowReboot functionality for meshnet devices.
- Fixed premature timeout on cresnet device uploads. Was leaving ontrol system in passto.
- Clarified duplicate ID messages on subnet detection for third tier devices.
- Fixed debug log to include debug info from all parent/childeren all the way up/down the chain.
- Changed ITW extension to CTW for new workspaces.

Features added:

- Added general Loader detection and reporting for all devices. A device in loader shows it's version as "XXXX(Loader)"
- File Manager - Added "New Folder" capability on the "Send To" dialog.
- Network Analyzer - Made result LEDs into one with the inactive color as grey. Also added Pass/FAIL text above.
- **Super Text Console** Tool replaces old text console.
  - Fixed most bugs from old text console.
  - Styles to format your data including font and color based on many match conditions.
  - Three logging formats including the ability to load a log and reformat offline.
  - Timestamp and data translation via tooltip window while holding <SHIFT>.
  - Multiple sequence key files
- **InfiNet Diagnostic** Tool added.

Toolbox 1.01.12 (9-22-2005)

Modules affected:

- CmVptLib32.dll (1.01.12)
- VptComServer.exe (1.01.12)
- CmVptGui.dll (1.1.0.5)
- Devices.ini (29)

- Macros.ini (20)
- Program Tree Control (4.0.0.2)
- Network Tree Control (4.0.2.0)
- Reference Documentation

Bugs Fixed:

- Macros.ini - fixed meshent repeater support for proper tree display.
- Devices.ini
  - Added TPMC-10-DSW support
  - Added CNX-RMC/LV support for reporting version properly only.
  - Added CLW-xxx support as CLW boot laoder
  - Added L versions for TPS-12, 15 and 17.
  - Added key for program tree set id methods for CLS-C6(M)
  - Changed GenericConsole device type so no <CR> is sent automatically.
- In Subnetwork detection
  - If duplicate IDs were found, then further sibling networks were not checked. This is almost correct, but should be child networks rather than sibling networks.
  - If duplicate IDs are found on a subnetwork of an indirect session, add an additional 'error' message noting the indirect type and id of that parent.
  - Added a call to GetValidIDRange instead of assuming 03-FE when checking for invalid IDs.
- TSDeviceMasterParseDeviceResponse - Added converted serial number as an extra parameter to outputs.
- TSDeviceMasterSetCresnetIDByTSID - Added a range check for valid cresnet ids of 02 to FE. We allow 02 since at this
- Added a EAmManual method for Console mode which does not send a CR.
- Meshnet related
  - MeshnetMasterReportDevices for Subnetwork detection - Filter out anything at id 01 since it should not be referenced by that id anyway. This should cause reference by TSID.
  - MeshnetSlave_MeshnetNoID method added with GetValidRange returning 01,01 for min,max, and unmapped support for SetID, ClearID, GetID, and GetIDRange all still

support for SetID. ClearID, GetID, and GetIDRange all still supported. This method to be used for repeaters.
    - MeshnetMasterParseAqcuireResponse - Added converted serial number as an extra parameter to outputs.
    - MeshnetMasterSetMnetIDByTSID - Changed so we enter passto, then send command to GW. This is required in GW FW 1.09.06+ to see the reconnect reponse we use for validation of new ID.
    - MeshnetMasterReportDevice - changed to use directed query request if full rerport is not already stored in the cache.
- Documentation - Added notes to all abilities which use S_CMVPT structures that they are not available through VB or scripting with alternatives where appropriate.

Features added:

- Meshnet Master Context Dialog
    - Call to scroll newly added devices into view addded whenever a device is added.
    - If acquire reposnse comes in for existing listed device, update current item with newly acquired designations.
    - Show Serial instead of TSID in second column.
    - Show message boxes when entering and exiting acquire mode to be more obvious.
- Network Tree Control - Changed the way Setup Dlg work. Now you can invoke setup on devices belonging to multiple indirect types as well as multiple infinet gateways.
- Program Tree Control
    - Added Reload functionality.
    - Changed code for the root node to display path and file name of the SMW file currently shown in the tree.

Toolbox 1.01.11 (9-08-2005)

Modules affected:

- CmVptLib32.dll (1.01.11)
- VptComServer.exe (1.01.11)
- CmVptGui.dll (1.1.0.4)
- Devices.ini (27)

Bugs Fixed:

- Fixed crash on certain timeouts. Noticed during iLux slave testing.
- Fixed parent device snooping in passto so we don't see garbage from file tarnsfers.

- Ethernet IP Table context dialog now has *.ipt as a selection for file types.
- Added bootloader firmware names to data file so support basic firmware tarnsfers.
    - Added [LOADER,Loader], [XMBLM], and [BIPAD] as devices which support only reporting and firmware appropriate for

      each. Loader takes care of at least C2N-MMS, C2N-SDC, C2N-SDC-DC, C2N-SSC-2, C2N-SPW300. This will cause them to be detected as cresnet control modules and support a firmware update.

Toolbox 1.01.10 (9-07-2005)

Modules affected:

- CmVptLib32.dll (1.01.10)
- VptComServer.exe (1.01.10)
- CmVptGui.dll (1.1.0.3)
- SystemInfo.ocx (2.0.0.8)
- Network Analyzer (2.0.0.5)
- Network Device Tree (4.0.0.3)
- Toolbox.exe (1.0.1.2)
- Devices.ini (26)

Bugs Fixed:

- Server
    - Fixed crash in subnet detection when more than one device uses passto.
    - Changes for iLux FW changes (Requires iLux FW 1.01 or better)
        - Added ReqConfigVersion and ReUserVersion to ConfigFile for iLux.
        - Removed reboot after config file send and added task event.
    - Fixes for infiNet RF Energy scan for C2N-MNETRPT (req FW 00.004 +)
        - Added MNetRFScanResumeRealtimeScan and MNetRFScanGetScanMode for meshnet energy scan.
        - Changed parsing for realtime results to parse time remaining correctly.
        - Removed "duration" from storescan and outscan commands.
    - Improved cancel mechanism reposnse time.
    - Enable infiNet Firmware loads on TSID connections.
    - Server Serial Communications

        - Fixed FileXferGet over serial where an extra <CR> is needed to clear the device command buffer before sending the next command.
        - Fixed serial communications where they could get stuck. Sometimes (after large flows of data?) the message handler would be flooded with messages

          telling it data was ready. Now when we ready data from the port, we fluch any remaining "Data Ready" messages.
        - Fixed serial communications where serial port could get locked due to a lost port handle. Had to kill server to resolve.
    - Server SSL communications.
        - Would not work. Period! Read code was broken in a ethernet communications fix.
        - Fixed redirection to remove long delay between reconnection.
- Context dialogs
    - Fixed Meshnet Acquire Dialog and Identify Transmitter dialog due to invalid virtual overrides from CViewportSession2 change.
    - Fixed update connection params interface back to Toolbox.exe. Now correctly shows crenset ID changes and SSL redirection.
    - Fixed initial update. Was causing an extra transcation ID in list which caused dialogs to not go away after hitting OK the first time.
- Network Analyzer - Traces Loaded from Files were not analyzed after opening.
- Toolbox - Fixed Toolbox_ShowFooter() to repaint the tool after hiding/showing the footer.
- Devices.ini Data File
    - Added *.cuz for firmware filespec for QM-RMC and ESlaveQM-RMC devices.
    - CLS-C6 - Extended slow query timeout to 15s and really slow query to 20s.
    - Added CLW-DIM4RF, CLW-DIMS4RF, CLW-SW4RF, CLW-SWS4RF.
    - Set reboot timeout for all infiNet dimmers to 40s. Several did not specify timeouts which would default to something too short.

Features Added:

- Server
    - Added a m_bParentDeviceSpoonMode variable to the

    - Added a m_bParentDeviceSnoopMode variable to the PasstoMode class which allows parents to snoop on data intended for childeren in passto.
    - Added more debug for ReceieveUntil functions when not called from SendCommandWait functions.
- Network Analyzer
    - Limited Analysis length to valid device response time. Was seeing a <BREAK> from control system as device reponse and giving false positives. Also show post response region as gray (like rack tx)
- Meshnet Acquire Context Dialog
    - Filter duplicate TSIDs so only one message from each device is counted
    - Added "X device(s) found" at the top of the list.
- System Info
    - move CF insertion LED to the right so it is NOT lined up with the expand/collapse buttons.
    - Added individual group refresh after goto dialog is dismissed.

Toolbox 1.01.09 (8-26-2005)

Modules affected:

- CmVptLib32.dll (1.01.09)
- VptComServer.exe (1.01.09)
- CmVptGui.dll (1.1.0.2)
- Toolbox.exe (1.0.1.1)
- Network Analyzer (2.0.0.4)
- Program Tree (4.0.0.1)
- Network Tree(4.0.0.2)

Bugs Fixed:

- Fixed crash in server on exit.
- Fixed bug in ConfigFile Receive for iLux.
- Various fixes for infiNet setup.
- EthernetNATEnable command fixed. Would fail immediately due to parsing bug.
- Fixed IP Table comparison bug causing false negatives with particular IP addresses.
- Fixes in DetectPhysicalDevices for new tree controls.
- Network Analyzer
    - Added "Highlighted ID is shown on the right.
    - Will show all data received from device. X-Axis length determined by sample count returned from the device.
- General GUI - Fixed bug in Firmware dialog where last selected file

could get corrupted and thus cause the dialog to not come up any longer.
- Added scroll bars to standard error dialog and made top portion wrap.
- Toolbox.exe
    - Fixed missing Tools Menu bug.
    - Removed Escape, CTRL-X, V accelerators since they were interfering with the text console keyboard handling.
    - Fixed bug with clearing hot keys for tools.
- Fixed Firmware File Spec for most 2-series control systems to allow any .cuz file to be loaded.
- Fixed firmware update support for C2N-RTHS

Toolbox 1.01.08 (8-16-2005)

Modules affected:

- CmVptLib32.dll (1.01.08)
- VptComServer.exe (1.01.08)
- CmVptGui.dll (1.1.0.1)
- SystemInfo (2.0.0.6)
- Script Manager (2.0.0.7)
- Network Tree Control (4.0.0.1)
- Devices.ini (24)
- Macros.ini (19)
- Reference docs

Bugs Fixed:

- ST-VS, ST-PC, ST-VC - Removed Firmware support since they are not firmware updatable.
- CNAMPX-2X60 was not classified correctly by category.
- Improved reliability of Network Analyzer functions. Fixed the bug where sometimes analysis failed.
- Added additional checking of invalid TSID.
- Fixed some parsing bugs and a crash in subnetwork detection via SubNetworkDetectPhysicalDevcies.
- Network Tree Control
    - Fixed bug when using auto-baud rate detect.
    - Allow changing of IDs to create duplicates if both are TSID, otherwise warn or disallow as appropriate.
    - Hierarchy view shows devices in the correct hierarchy.
- Script Tool
    - Fixed duplicate last line bug.
- General Context Dialogs
    - Fixed crash in several including, erase program, test dns,

Fixed crash in several (including, cresio program, test dns, and wep page dialogs.

- System Info
  - Adjusted ethernet address and MAC address to allow for larger fonts.

Features added:

- e-Control 2 Activation Support. Added to Functions menu for Control System which support it.
- Added a page to the reference docs describing how to interface with Visual Basic. Also added full reference for the COM interface.

Toolbox 1.01.07 (8-11-2005)

Modules affected:

- CmVptLib32.dll (1.01.07)
- VptComServer.exe (1.01.07)
- CmVptGui.dll (1.1.0.0)
- Text Console (1.0.5.0)
- NetworkAnalyzer (2.0.0.3)
- Network Tree Control (4.0.0.0)
- Program Tree Control (4.0.0.0)
- Devices.ini (23)
- Macros.ini (18)
- Reference docs

Bugs Fixed:

- Server crash and possible hang on exit fixed.
- Added new detection process for detecting all subdevices (SubNetworkDetectPhysicalDevices). Currently only available to C++ clients.
- NVRAMDiskSetSize now uses vnvramdisk to fix bug where over serial connections the confirmation prompt never takes the "\r".
- Fixed TCP socket bug where it could get temporarily stuck and end up timeing out for data that is available in the socket pipe.
- Added cancel checking in more places to make it more responsive.
- In GenericFileXfer send, if after sending the command one of the verify for 'C' calls fails, call xmodem cancel to ensure we don't get stuck in Xmodem.
- Many fixes with cresnet master/slaves and Touch settable master/slaves to enable iLux slave operation and proper mnet operations.
- Implemented getting TSID/Serial from touch panels when connected directly.
- Changes for ilux console ocmmand changes in FW 1.00.03.

- Changes for ifdx console command changes in FW 1.00.03.
- Fixed cresnet id verification after change for ST-CS and devices which do not show firmware version.
- NetworkAnalyzer
    - When an item is checked and no other ID is selected, select that item.
- Network Tree Control
    - Changes made to show third tier devices like meshnet gateways under thier respective gateways.
    - Many fixes for touch settable process.
    - Detection moved to server, MUCH more reliable and speedy.
    - Shows standard error dialog showing all errors encountered during detection process.
    - If connected to one device, then select a different device with no child devices on it, would show old system.
- Program Tree Control
    - changes made to show third tier devices like meshnet gateways under thier respective gateways.
- Reference docs - Fixed Basic Display and Generic File Xfer groups.
- Updated help file with script scheduling and a fix in the script examples.

Features added:

- General Dialogs
    - Added a standard error dialog which shows full error stack, more like System Builder does. First step in showing better error descriptions.
    - Program, Display List, IP Table dialogs on successful sending, set default button to Close.
    - Error Log dialog - set default to close after retrieving from device.
    - File System - after compact or initialize set default to close.
- Text Console - Added use of standard error dialog.

Toolbox 1.01.06 (8-01-2005)

Modules affected:

- CmVptLib32.dll (1.01.06)
- CmNetTreeXCtrl2.ocx (3.1.1.1)

Bugs Fixed:

- Net Tree Control (3.1.1.1)
    - Fix for not drawing tree when CNet devices fail.
    - Stop Program on TSID process start added.

Toolbox 1.01.05 (7-29-2005)

Modules affected:

- CmVptLib32.dll (1.01.05)
- CmNetTreeXCtrl2.ocx (3.1.1.0)

Bugs Fixed:

- Optimized GetDeviceSection in CAbilityTIOFile to use a map built once to find devices.
- CComChannel_TCP::Receive - Only call into ring buffer if there is at least 1 data available.
- EthernetWebPagesSend - Was sending newer files. Now sends differnet files correctly.
- Net Tree Control - For touch settable setup, the program is now stopped before anything is put into light and poll mode.

Toolbox 1.01.04 (7-26-2005)

Modules affected:

- CmVptLib32.dll (1.01.04)
- VptComServer.exe (1.01.04)
- CmVptGui.dll (1.0.2.9)
- TextConsole.ocx (1.0.0.4)
- Toolbox.exe (1.0.1.0)
- VptAddressBook.dll (1.0.0.6)
- SystemInfo.ocx (2.0.0.5)
- Network Analyzer (2.0.0.2)
- Devices.ini (22)
- Macros.ini (16)

Bugs Fixed:

- Fixed possible crash in server, rare.
- Various bug fixes for Meshnet compatability.
- Verificaiton of new changed cresnet ids made more robust.
- DisplayListSend for TPSB panels
    - Fixed bug where transfer would now compact if display list size was between 50% to 100% the size of internal flash.
    - If manifest was on Cf only, but was correct for the project being sent, it would not be sent to internal flash.
- Fixed Ethernet Auto negotiate and default router error detection and parsing for TPS and TPSB panels.
- Password protected processors.
    - Save password once it is accepted for the duration of the

connection.
    - Fixed bugs related to remote consoles.
- Fixed error chacking for FileSysInitialize for TPS panels.
- Fixed EthernetWebServerPassword ability over serial connections.
- Fixed possible ethernet communications stall.
- Toolbox.exe
    - Maximized toosl are now sized properly.
    - Removed error message if a workspace is opened with a tool with no address book selection.
- Context dialogs - set default buttons to ease use.
- Address Book dialogs
    - Fixed bug which did not allow hyphens in tcp hostnames.
    - Adding a new address now uses the current selection as the default for the new address.
- Fixed UPX Display List Sending
- TextConsole - Made default for F4 sequence key show tsid devices in the cresnet report.
- SystemInfo - Cresnet report shows tsid devices at 01.
- Network Analuzer - If analysis failed, showed no problems found in trace analysis in some cases.

Toolbox 1.01.03 (7-20-2005)

Modules affected:

- CmVptLib32.dll (1.01.03)
- VptComServer.exe (1.01.03)
- CmVptGui.dll (1.0.2.8)
- TextConsole.ocx (1.0.0.3)
- Toolbox.exe (1.0.0.9)

Bugs Fixed:

- Fixed buffer overrun which was causing the infamous System Info Hang.
- Fixed secondary possible hange. Resulted in TCP connections to be more efficient.
- DisplayListSend for TPSB panels - always send latest manifest to CF is available.
- Fixed a possible hang when canceling during a query request.

Toolbox 1.01.02 (7-13-2005)

Modules affected:

- CmVptLib32.dll (1.01.02)

- VptComServer.exe (1.01.02)
- CmVptGui.dll (1.0.2.7)
- TestPatterns (1.0.0.2)
- Scripter.ocx (1.0.0.5)
- NetworkAnalyzer.ocx (2.0.0.1)
- SystemInfo.ocx (2.0.0.4)
- VptAddressBook.dll (1.0.0.5)
- Toolbox.exe (1.0.0.8)
- Devices.ini (21)
- Macros.ini (15)

Bugs Fixed:

- Fixed multiple bugs reulting in crashes or server hangs.
- Fixes with Sending Display Lists
  - fixed multple time comparison issues. Send only changed files properly.
  - fixed component selection, was deleting components not in the selection.
  - Added additional task information for more feedback.
- Fixed false errors on file deletes.
- Fixed cresnet device parsing when ST-IO is on the network.
- Fixed device detection bug. was possible to swap an ethernet device at the same IP without a redetect.
- Fixed bugs with getting / setting ethernet settings.
- Fixed bug with TCP connections that could get stuck in a "Connecting..." state and never disconnect and try reconnecting.
- Added task events to ProgramStop
- Fixed parsing for Identify Transmitter funcitonality. Was showing button info wrong.
- Fixed file transfer status bug. Transfer rate would drop to several kb after send a total of 4Mb or more.
- Fixed bug with password queries. Was not directed to the proper client. System Info to a cresnet device on a processor that has a password would fail.
- Removed debug info events for clients by default.
- Added Wait cursors when initializing context dialogs.
- Fixed Ethernet Settinsg dialog issues.
- Text console - fixed backspace on serial connections.
- Fixed bug which allowed invalid IP address to be entered in address book.
- Fixed crashes in Toolbox.exe when trying to load tools not installed correctly.

Features Added:

- Test Pattern Tools - Added EBU color bars

- Test Pattern Tools - Added EBU color bars.
- Network Analyzer - Complete rewrite!
- TPMC series support.
- TPS-12/15/17 support.

Toolbox 1.1.1.0 (6-24-2005)

Modules affected:

- SystemInfo.ocx (2.0.0.3)
- Toolbox.exe (1.0.0.7)
- Scripter.ocx (1.0.0.4)
- TestPatterns (1.0.0.1)
- CmVptGui.dll (1.0.2.6)

Bugs Fixed:

- Fixed IP address, mask and default router to always return correct address even when DHCP is enabled.
- System Info - Fixed bug DHCP and SSL status to show properly.
- Fixed install package bug that mangled the system path. System Path is no longer touched at all.
- Data Files - For DVP4 and DVP4DI in slave modes, added non-slave name as alternate to fix display list panel type mismatch query.

Features Added:

- Test Patterns and Script Tool - Removed Bottom status bar since it is not applicable.

Toolbox 1.1.0.0 (6-16-2005)

Modules affected:

- System Info (2.0.0.2)
- Toolbox.exe (1.0.0.6)

Bugs Fixed:

- Fixed bug in IP Mask setting where 255.255.255.255 would be set instead of desired mask.
- Fixed bug, where the port was not being compared on tcp connections. If there are ANY connections to an ip address all additional connections to that address (regardless of port setting) would use the same port as the first.
- Fixed install package bug that mangled the system path.

Features Added:

- Server - Implemented ProgramGetUpTime ability.
- System Info - Change Software Info to Firmware Capabilities.
- System Info - Implemented Program Up Time field.
- System Info - Filtered failures so incorrect info doesn't show...

  TSID and serial in particular.
- System Info - Implemented selection and arrow keys for navigation, also Enter launches dialog.
- System Info - Changed Colors to be higher contrast making it easier to see selected group.
- System Info - Added Keyboard navigation shortuct menu item.
- Toolbox.exe - Fixed some focus issues.

Toolbox 1.0.10.0 (6-15-2005)

Bugs Fixed:

- Fixed hang on invalid paths when setting defaults for browse to in various dialogs.
- Fixed redetection bug where it would actually never re-detect devices when they changed!
- Fixed loading and save of IPTable to file, was converting ip id and dev id to decimal..
- Fixed setting default port for IP Table entries.
- Fixed typo in CF warning query msg.
- Removed option to hide Tools from the menu. Can only hide/show on toolbar.
- New Tools when order has not been assigned, put in the beginning.

Features Added:

- Added "For Viewport Users..." to Help menu.
- New System Info tool implemented with meny new features... check it out!
- Added TPSB, iLux, IM, and Meshnet devices to distributed data file.
- Updated Help File.

Toolbox 1.0.8.0 (6-07-2005)

Changes:

- ProgramRetrieve implemented.
- DisplayList, Program, Firmware, validate file / paths still exist

when browsing. Default to most sepcific that is still available.
- Fixed crash on re-detection process.
- Address Book - Added sort by name functionality to address list.
- Address Book - Added right click menu with move up/down, add/remove/rename.
- Added Quick Function Setup dialog to manage quick functions available on each window. Toolbox.exe - "Tools->Quick Function"

Toolbox 1.0.7.0 (6-02-2005)

Modules Updated:

- Toolbox.exe (1.0.0.3)
- CmVptLib32.dll (1.0.7.0)
- Network tree Control (3.1.0.8)
- CmVptGui.dll (1.0.2.3)
- Devices.ini (17)
- Macros.ini (14)

Changes:

- Fixed "Unknown direct communications type" when changing address book entries.
- File->Preferences - Auto load settings fixed to be more clear.
- Fixed a bug with zipped files that would keep them open after the transfer.
- Fixed some server stuff related to properly re-detcting devices, especially cresnet and also a possible hang.
- Network Tree - Better Firmware version updating.
- Made somthing a littler neater (long file paths in transfer dialog, Basic Display dialog).
- DVP4 - Fixed up some funcitonality (master and slave modes).
- C2N-TAMWX - Fixed update after firmware update.

Toolbox 1.0.6.0 (5-27-2005)

Change Log:

- Fixed program sending for system w/o ethernet.
- Reworded serial port errors.
- Added EtherWebServerPassword ability. Takes one optional parameter, the password.
- Added CommunicationsSend, and CommunicationsSendAndWait abilities
- Added general ethernet support for TPMC panels.
- DisplayListSend - Drastically improved per-transfer performance, also shows more status on what it is doing.
- Made About Dialog re-sizable and fixed System Close button

- Made About Dialog re-sizable and fixed System Close button.
- When sizing tool frames, auto hide / show connection status and address boxes when too small to do so properly.

- Scripting - Allow Create New Script all the time.
- Scripting - Added global report file showing status of all session run, timestamped and any errors that occur. Optionally show all commands with elapsed time. New file template has entry commented out by default but filename is set to "|$scriptpath||$scriptfilename| - Report Log |$date| |$time|.log"
- Scripting - Added Load Web Pages script template.
- Network Analyzer - Sometimes trace would not show.
- SystemInfo - Fixed initial timing issue. Sometimes control systems / touch panels would not show all info.
- Network Tree Contol - Added Network View.
- Text Console - Fixed destructive BS. Must have Settings->Low Char Display->Always Interpret CR,LF,BS,TAB checked.
- Device Configuration context dialog. Fixed labels and position of reloaded information.
- Documentation - Dramatically improved organization of ability funcitons.

Toolbox 1.0.5.0 (5-13-2005)

Modules Updated:

- CmVptLib32.dll
- CmVptGui.dll
- VptComServer.exe
- VptAddressBook.dll
- Toolbox.exe
- CmSmwTreeXCtrl2.ocx
- SystemInfo.ocx
- Scripter.ocx

Change Log:

- MT-1000C - Added Firmware Update and Version checking Support
- TPS panels no longer taken out of sleep mode when sending projects / firmware.
- Added Full install Version info in About dialogs in Server and Toolbox. Also attached to debug logs.
- Text console falls back to generic type automatically if device cannot be detected.
- Fixed MT-1000C related crashes.
- Fixed TSID to serial conversion. Some TSIDs came up as invalid

serials.

- Fixed multiple hangs in the server code.
- System Info - Added Touch Panel project info.
- Program Tree fixes for overriding non-verified devices.

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